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Lancaster Farming

VOL. 29 No. 9 | Three Sections | Lancaster Farming, Saturday, December 31, 1983 | $7.50 per Year

Avian influenza continues to spread

Moving south, west from Lancaster

BY LAURA ENGLAND

LANCASTER — The federal-state avian flu quarantine zone was expanded Tuesday to further protect the state's poultry industry and to provide poultrymen reasonable access to processing plants.

Previously set at 2,800 square miles, the quarantine zone now covers 5,100 square miles in all or parts of nine counties. These include all of Lancaster, York and Adams counties and portions of Franklin, Cumberland, Dauphin, Lebanon, Berks and Chester counties.

According to task force spokesman Don Nielson, the quarantine expansion will allow poultrymen additional access to processing plants. Under quarantine restrictions, no live birds, nest run eggs, hatching eggs or day old chicks are permitted to move outside the area

These restrictions prevented processors outside the quarantine zone from gaining access to poultry and egg products within the quarantine. The expansion will help meet marketing needs, Nielson said.

Poultrymen will still be required to have all products inspected by the government and certified free of the deadly avian virus before moving them off the farm.

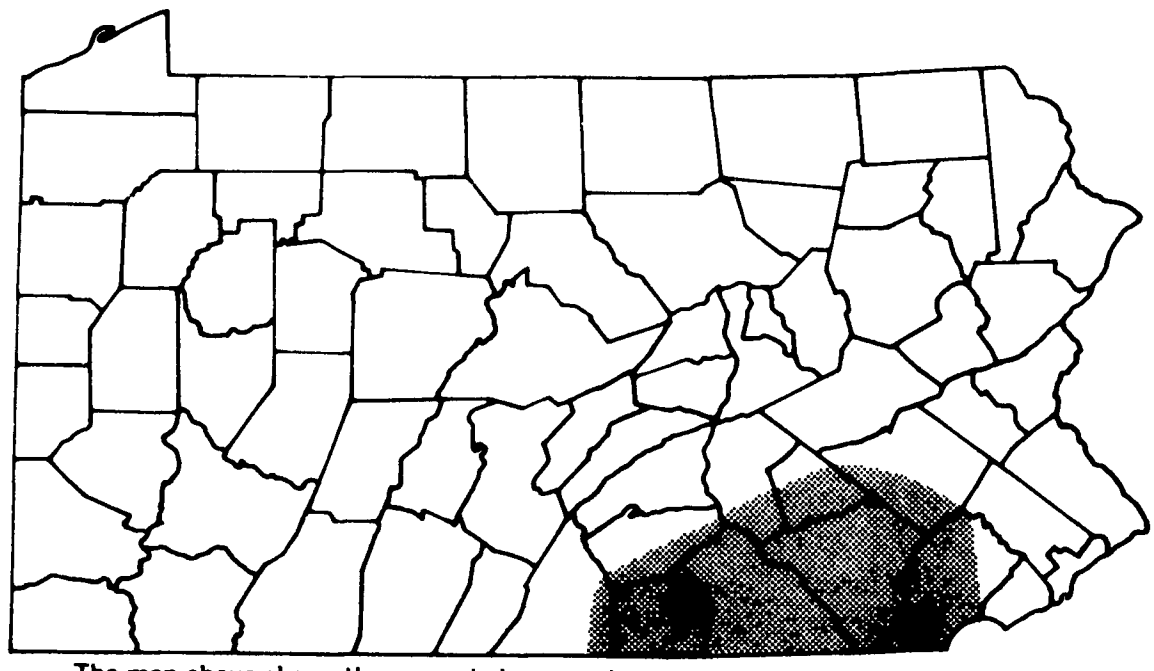
Partly responsible for the expansion was a positive diagnosis of a 31,000 bird turkey flock near East Berlin on the York-Adams County line. Infected with the highly pathogenic avian virus, the flock was to be depopulated Wednesday and Thursday, Nielson said.

This flock represents the westernmost movement of the avian flu virus. Representing the southernmost movement of the disease was a hot flock of 50,000 layers near Nottingham, Chester County. This flock was diagnosed Wednesday morning, Nielson said.

The new quarantine boundry runs north on Interstate 81 from the Maryland state line in Franklin County into Lebanon County. There, it picks up on Interstate 78 and travels east to the Berks County line and follows south to Route 442.

From Route 442, it runs east to

(Turn to Page A35)



The map above shows the expanded quarantine area for the Avian influenza. The star on the left represents the most western point of the quarantine, which is a turkey flock near East Berlin, near York/Adams County border. The star on the right represents the most southern point of the quarantine, which is a layer flock in Nottingham, Chester County.

Milk plan details due next week

BY TRISH WILLIAMS

LANCASTER — Dairymen debating whether to participate in the milk diversion program which is scheduled to begin tomorrow must wait until at least Jan. 3 for details on the program from ASCS.

William Clayton, Pennsylvania ASCS program specialist for the Milk Diversion Program, said, county ASCS offices in Pennsylvania will have contract forms and regulation handbooks available for dairymen on Jan. 3. Maryland ASCS officials will also have these materials ready for distribution on the 3rd.

However, the sign-up period for the program, when ASCS will be accepting contracts, will not begin until sometime in the middle of January, no specific date had been set at press time. Jan. 31 is the last day dairymen will be able to contract to reduce their production under the Milk Diversion Program.

Only dairymen that contract with ASCS to reduce production and who comply with the regulations of the contract will receive incentive payments,

(Turn to Page A35)

This is the year that was in ag

BY KIMBERLY HERR

LANCASTER — It was a year of ups and downs, of struggles and triumphs. It was a year when farmers learned to expect the unexpected.

Playing a large part in the unexpected aspect of 1983 was the weather. A surprise snowstorm hit Central Pennsylvania February 11, bringing more snow than the area had seen for years. And as winter melted away, the precipitation continued, making for a soggy spring. But then, just as everyone was complaining about all that moisture, it stopped.

And again the unexpected occurred as the summer of 1983 turned out to be one of the hottest, dryest summers in Pennsylvania. Farmers watched helplessly as their crops suffered under the devastating drought conditions.

But life went on and the summer show circuit brought happiness and success to many. A Pennsylvania bull sold for $100,000 at the National Holstein Convention in June, and champions were crowned at the Southcentral and Eastern Holstein shows in August. And more champions were honored across the state as 4-H clubs participated in round-ups and shows.

The summer of 1983 also saw record crowds attending Ag Progress Days at Penn State, despite the August heat, and 500 people attended the National Jersey Convention in June.

1983 was also a time to honor individuals. Penrose Hallowell was reappointed as Pa. Secretary of Agriculture in January. J. Paul Espy was chose by cattlemen as their Man of the Year in March, and Tamara Lynn Cree was chosen Pa. State Dairy Princess in September.

This was also a year for farmers to keep abreast of what the politicians were saying and to take an active part in getting legislation passed. In February it was announced that pigs without identification numbers would not be accepted at markets.

Then, on a positive note, Pennsylvania approved $250,000 in loans to encourage direct marketing, and on April 2, the Senate passed the Clean/Green two-acre splitoff.

(Turn to Page A35)

Lancaster plans 5-yr. no-till promotion

BY LAURA ENGLAND

LANCASTER — The Lancaster County Conservation District approved Tuesday a five-year plan to promote conservation tillage within the county.

Moved by vice chairman Amos Funk, of R1 Millersville, the five-year plan will incorporate the already established corn planter assistance program in efforts to promote soil erosion prevention. Under the current program, farmers rent one of the districts no-till corn planters and receive information and training in planting no-till crops.

Through the five-year program approved by a unanimous vote, demonstrations and tours will be conducted with the cooperation of Extension personnel and conservation district specialists. Goals of the program, in addition to providing an awareness for erosion prevention, are to secure funds to hire a conservation tillage specialist and purchase tillage equipment.

About $400 is needed, Funk said, to purchase two hydraulic adapters and a universal hitch for the corn planter. The money is also needed to pay mileage expenses for the use of a jeep and a scout in transporting tillage equipment.

Gerald M. Heistand

Also approved by the board was a $2 increase in per acre charge for corn planter rental. The increase brings the rental fee up to $7.50 per acre. Funk, who moved the increase, said the additional money will help in meeting the county goal of 2,000 no-till acres in 1984.

In other business, Aaron Z. Stauffer, R1 Ephrata, was re-elected chairman while Nancy J. Burkhart was re-elected secretary-treasurer. Robert E. Wagner, of R2 Quarryville, was elected to serve his first term as vice chairman and as an executive council member.

The board introduced Gerald M. Heistand as the district's new conservation tillage and manure management specialist. Holding a degree in agricultural engineering from Penn State and a degree in liberal arts from Elizabethtown

(Turn to Page A35)

Livestock market and auction news

Monday markets not covered by USDA & PDA due to holiday

Lancaster Market

Monday, Dec. 26
Report Supplied By USDA

	Cattle	Calves	Hogs	Sheep
Today	789	33	1445	227
Last Monday	1098	119	935	1264
Last Year	1160	97	1375	110
Monday's Auction	1019	49	1344	366
Last Monday's Auction	1186	148	755	1419

No market available due to holiday.

Vintage Auction

Tuesday, Dec. 27
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1275	726	8	0
Last Tuesday	1002	908	40	3
Last Year	1037	802	4	3

CATTLE: Compared to last Tuesday slaughter steers 2.00-3.00 higher; heifers 3.00-4.00 higher; cows 1.00-3.00 higher, least advance on Breaking Utility and Commercial, bulls and bullocks not fully tested. Supply included 523 slaughter steers and 676 cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1375 lb. 71.00-72.75, three head 73.00-73.50, Good and Choice 1-2 1100-1500 lb. 69.50-71.00, few 71.00-72.85; Choice 2-4 1100-1400 lb. 68.00-71.00, few 67.50-68.00; high Good and low Choice 2-3 65.50-68.50; Good 2-3 60.50-64.00; few Good and Choice 1150-1300 lb. Holsteins 52.00-55.00.

SLAUGHTER HEIFERS: Choice 2-3 950-1125 lb. 60.85-65.50, couple 66.50-67.25; Good 2-3 925-1050 lb. 56.00-62.25.

COWS: Breaking Utility and Commercial 2-4 39.00-42.75, few 43.00-44.00, few Commercial 3-4 36.25-39.00; Cutter and Boning Utility 34.75-39.50, several 40.00-41.75; Canner and low Cutter 33.00-35.00, few 29.50-32.00.

BULLS: Yield grade 1 1295-1845 lb. 52.25-54.75, individual 2115 lb. 50.75; yield grade 2 1060-1250 lb. 47.50-50.00.

VEAL CALVES: Vealers firm to 5.00 higher. Supply included 612 in graded sale of which 79 percent sold to return to farm.

VEALERS: Choice 135-290 lb. 92.00-101.00, couple 265-300 lb. 110.00-112.00; high Good and low Choice 140-300 lb. 70.00-85.00, 110-160 lb. 50.00-71.00, 80-110 lb. 46.00-52.00, 60-80 lb. 38.00-45.00.

RETURNED TO FARM: 55 head 90-115 lb. Holstein heifers 50.00-60.00 with one 10 head lot 110-115 lb. 78.00. 25 head 120-125 lb. Holstein bulls 94.50; 73 head 110-115 lb. 101.00-102.00; 110 head 100-105 lb. 107.00-109.50; 35 head 90-95 lb. 96.00-97.00; 40 head small frame 110-125 lb. 77.00-87.00, 90 head 100-105 lb. 54.00-58.00 and 60 head 90-95 lb. 50.50-51.50.

SHEEP: No market test.

Lancaster Auction

Wednesday, Dec. 28
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	336	12	776	10
Last Wednesday	320	34	981	37
Last Year	324	17	474	5
Wednesday's Auction	349	27	926	101
Last Wednesday's Auction	173	36	1060	21

CATTLE: Trend not fully comparable because of small supply last Wednesday and market not reported Monday.

SLAUGHTER STEERS: Few Choice and Prime 2-4 1100-1350 lb. 68.00-71.00; high Good and low Choice 2-3 1000-1300 lb. 65.00-68.00; Good 2-3 62.00-65.00.

SLAUGHTER HEIFERS: Supply mainly God 950-1200 lb. heiferettes 48.00-53.00.

COWS: Breaking Utility and Commercial 2-4 39.00-41.50; Cutter and Boning Utility 36.00-40.00; Canner and low Cutter 32.00-35.00.

BULLOCKS: Few Good and Choice 900-1250 lb. 57.00-60.50.

BULLS: Few yield grade 2 1300-1800 lb. 47.50-50.00.

VEAL CALVES: Insufficient volume to fully test trends; few high Good and low Choice 80-115 lb. vealers 35.00-50.00; few 95-110 lb. Holstein bulls returned to farm 65.00-70.00.

SHEEP: Wooled lambs mostly steady; slaughter ewes fully steady. Supply included 20 head high Choice and Prime 100 lb wooled lambs bought to arrive at 66.50.

WOOLED LAMBS: Good and Choice 50-80 lb. 42.00-50.00.

SLAUGHTER EWES: Utility and Good 20.00-26.00.

FEEDER LAMBS: Few Choice 65-70 lb. 48.00-50.00.

New Holland Livestock

Thursday, December 29
Report supplied by USDA

	Today	Wk Ago	Yr Ago
Cattle	881	539	701
Calves	450	467	468
Sheep	20	16	13
Goats	1	3	4

CATTLE: Compared to last Thursday's very light supplies, Slaughter Steers 1.00-3.00 higher; Heifers not adequately tested; Cows mostly steady, instances 1.00 lower. Supply included near 60% Cows and 30% Slaughter Steers.

SLAUGHTER STEERS: High Choice and Prime 3-4 1200-1400 lbs. 67.00-72.00, mostly 69.00-71.00; Choice 2-4 1100-1450 lbs. 66.00-71.00, mostly 68.00-70.00; few high Good to low Choice 1-2 1300-1500 lbs. 67.00-71.00; Good 2-3 1050-1400 lb. 61.00-66.00; few Choice 2-3 Holsteins 1200-1400 lb. 54.00-58.00, Good 2-3 Holsteins 1050-1350 lbs. 46.00-52.00.

SLAUGHTER HEIFERS: Few Choice 2-3 930-1150 lbs. 59.75-63.75; few Good 2-3 900-1200 lbs. 57.50-60.00.

COWS: Breaking Utility and Commercial 1-3 35.25-41.50, mostly 37.00-39.00, few 41.50-44.25; High Cutter and Boning Utility at 33.00-38.00; canner and low cutter 28.00-33.50.

BULLOCKS: Choice 1-2 1025-1490 lbs. 59.10-65.10.

BULLS: Yield Grade 1 1095-1820 lb. 53.00-58.75; yield grade 2 1070-1980 lb. 47.00-54.75, few 865-975 lb. 42.25-50.50.

VEAL CALVES: Vealers mostly steady.

VEALERS: Few high Choice and Prime 250-340 lbs. 98.00-118.00; Good and Choice 150-300 lb. 76.00-98.00; Good 70-120 lb. 35.00-54.00.

RETURNED TO FARM: Bulk of supply Holstein Bulls 90-135 lb. 72.00-113.00, mostly 92.00-110.00.

SHEEP: Not enough for a test. Few Choice 80-110 lb. Wooled Lambs 58.00-70.00.

Lancaster Weekly

Friday, December 30, 1983
Report supplied by USDA

	Cattle	Calves
This Week	3820	1200
Last Week	3121	1529
Last Year	3514	1384

CATTLE: Slaughter Steers mostly 2.00-3.00 higher; Slaughter Heifers 1.00-2.00 higher; Cows mostly steady; Bulls 2.00-3.00 higher. Supply included 39% Steers, 43% Cows, 7% Heifers, and 3% Bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1450 lb. 67.00-72.75, mostly 69.00-71.00, three head 73.00-73.50; High Good and Choice 1-2 1100-1500 lb. 67.00-71.00; Choice 2-4 1100-1450 lb. 66.00-71.00, mostly 68.00-70.00; Good 2-3 1050-1400 lb. 60.00-66.00; Good and Choice 2-3 1150-1350 lb. 52.00-58.00.

SLAUGHTER HEIFERS: Choice 2-3 930-1150 lb. 59.75-65.50; few Good 2-3 900-1200 lb. 56.00-62.25.

COWS: Breaking Utility and Commercial 1-3 35.25-42.75, few 43.00-44.25; High Cutter and Boning Utility 1-3 33.00-39.50; Canner and Low Cutter 28.00-33.50.

BULLOCKS: Few Choice 1-2 1025-1490 lb. 59.10-65.10.

BULLS: Yield Grade 1 1095-1820 lb. 52.25-58 75; Yield Grade 2 1060-1980 lb. 47.00-54.75.

VEAL CALVES: Vealers steady to 5.00 higher.

VEALERS: High Choice and Prime 250-350 lb. 98.00-118.00; Good and Choice 135-300 lb. 70.00-101.00, 110-160 lb. 50.00-71.00; Good 70-120 lb. 35.00-54.00.

RETURNED TO FARM: Bulk of supply Holstein Bulls 90-135 lb. 72.00-113.00, mostly 92.00-110.00. 90-115 lb. Holsten Heifers 50.00-60.00, 10 head 78.00.

Omaha Cattle

Thursday, December 29
Report Supplied by USDA

Weekly 51 - Cattle - Slaughter steers and heifers at midweek closed 1.50-2.00 higher than last week. Weather disruption of transportation from direct points and higher dressed beef prices prompting good demand. Slaughter cows 1.00-3.00 lower Slaughter bulls near steady. Overall finish and condition of cattle held fairly good despite severe weather conditions throughout the area.

Steers comprised 45 pct of the week's receipts: Heifers 37 pct; Cows 13 percent; Feeders 3 pct Estimated 5 day receipts 8,970 actual receipts last week 9,817, 7,644 for the same period last year

STEERS: Closing sales two loads choice, few prime 2-4 1175-1360 lbs. 68.50-68.75. Choice 2-4 1050-1300 lbs. 66.00-67.50, few loads to 68.00. Choice 2-3, few 4's 1000-1050 lbs. 65.00-66.00. Mixed good and choice 2-3 1050-1150 lbs. 64.00-66.25, 950-1050 lbs. 62.00-64.50. Few Good 61.00-64.00. Mixed good and choice 2-3 1100-1400 lb. holsteins 54.50-55.50.

HEIFERS: Closing sales near 5½ loads choice, few prime 2-4 975-1050 lbs. 66.50. Choice 2-4 950-1100 lbs. 64.50-66.00, 60 head 66.25 Choice 2-3 875-950 lbs. 62.50-64.50 Mixed good and choice 2-3 900-1050 lbs. 62.00-65.00. Few good 59.00-62.00.

Average of LS-214 detailed quotations for choice 900-1100 lb slaughter steers 64.94; 1100-1300 lbs. 67.12. Average cost steers this week 65.84, Average weight 1121 lbs as compared to 64.18 and 1123 lbs last week. Average cost heifers this week 63.85, average weight 983 lbs as compared to 62.56 and 992 lbs last week.

COWS: Closing sales breaking utility and commercial 2-3 33.50-35.00. Cutter and boning utility 1-2 31.00-34.00. Canner and low cutter 30.00-31.00.

BULLS: 1-2 1100-1800 lbs. 40.00-44.00.

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11:00 A.M.— Veal Calves, Lambs, Hogs
TUESDAY
10:00 A.M.— Slaughter Hogs
1:00 P.M.— Feeder Pigs
WEDNESDAY
10:00 A.M.— Slaughter Bulls, Heifers, Steers, Cows
11:00 AM.— Veal Calves, Lambs, Hogs
FRIDAY
11:00 A.M.— Stocker and Feeder Cattle
SATURDAY
9:30 A.M.—Slaughter Hogs

No Slaughter Hog Auction On Sat., Dec. 31

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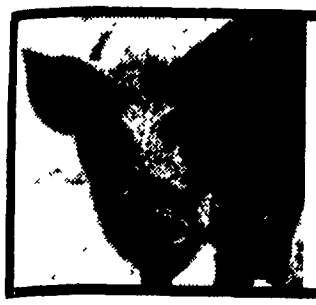

HOG MARKETS

Lancaster Hogs
Lancaster Stockyards
Monday, December 26
Report supplied by USDA
No market due to holiday.

Tuesday, December 27

Today	618
Last Tuesday	277
Last Year	392

TREND: Trend not comparable, market not reported on Monday.

BARROWS AND GILTS: US 1-2 200-250 lbs. 54.00-55.50. US 1 200-240 lb. 55.75-56.00. US 1-3 230-280 lb. 53.00-54.00.

Wednesday, Decembe. 28

HOGS: Compared to Tuesday barrows and gilts mostly 1.00 lower; sows uneven, 350-500 lb. steady to 2.00 lower, 500-650 lb. 5 00-8.00 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 53.00-54.00. US 1 210-250 lb. 54.00-56.25. US 1-3 220-270 lb. 52.00-53.00; 198-210 lb. 49.00-51.00.

SOWS: US 1-3 350-475 lb. 35.00-42.00, 500-650 lb. 50.00-51.50

New Holland Hogs
Monday, December 26
Report supplied by USDA

Today	1398
Last Monday	1873
Last Year	1782

1398 head. Compared to last Monday, market 1.50-2.00 higher.

Lightweight, 47.00-52.00; heavyweight, 48.00-53.00; retail, 54.00-57.00; sows, 32.00-42.00; heavy boars, 30.00; light boars, 45.00.

Peoria Hogs
Thursday, December 29
Report supplied by USDA

BARROWS & GILTS: 3000. (Fell 700 short-2300) Active, 25 to mostly 50 higher. US 1-2 220-240 lb. 52.50-53 00, 200-220 lb 51.50-52 50 US 1-3 220-260 lb 50 50-51.50.

SOWS. Firm to 1.00 higher (25%) US 1-3 350-450 lb. 42.50-43.50; 450-650 lb. 56.00-57.00, few 57.50.

BOARS. Over 350 lb. 38 00-38.50, 250-350 lb. 33.00-34.00, under 250 lb. 40 00-45 50

FOR THE WEEK Barrows & gilts closed 2.00 higher, sows closed 1 00-8 00 higher

Lancaster Feeder Pigs
Tuesday, December 20
Report supplied by USDA

Today	863
Last Tuesday	865
Last Year	1141

TREND: Compared to last Tuesday feeder pigs uneven, US 1-2 30-40 lb. weak to 5.00 lower, 40-80 lb. steady. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 13 head 18-23 lbs. 104.00-107.00; 75 head 28-39 lbs. 74.00-84.00; 260 head 40-49 lbs. 68.00-82.00; 99 head 50-59 lbs. 59.50-67.00; 62 head 60-67 lbs. 53.00-60.00.

US 2: 61 head 40-49 lbs. 60.00-66.50.

US 2-3: 34 head 28-38 lbs. 68.00-75.00; 20 head 41-45 lbs. 62.00-65.00; 43 head 50-52 lbs. 56.00-61.00; 41 head 59-68 lbs. 44.00-48.00.

Westminster Feeder Pigs
Friday, December 23
Report supplied by auction
994 Pigs.

US 1&2: 100 head 30-39 lbs. 66.00-83.00.

US 1: 38 head 45 lbs. 71.00.

US 1&2: 167 head 42-49 lbs. 61.00-68.00; 292 head 50-56 lbs. 58.00-67.00; 89 head 60-66 lbs. 55.00-59.00; 78 head 70-79 lbs. 46.00-49.50; 27 head 91-93 lbs. 46.00-47.00.

US 2: 31 head 30-39 lbs. 57.00-61.00; 43 head 45-48 lbs. 55.00-56.00; 24 head 60-68 lbs. 42.00-51.00; 21 head 83-85 lbs. 41.00-42.00.

US 2 & 3: 43 head 33-38 lbs. 49.00-60.00.

St. Louis Hogs
Thursday, December 29
Report supplied by USDA

BARROWS & GILTS: 4000. Active, mostly 1.00 higher. US 1-2 200-250 lb. 52.75-53.25, 200 head 53.50. US 1-3 260-270 lb. 50.00.

SOWS Under 400 lb. 75 lower, over 400 lb 2.50-3.00 higher. (About 10%) US 1-3 300-400 lb. 41.75; 400-500 lb 45.00-46.50; Over 500 lb. 57.00-59.50.

BOARS. Over 250 lb. 37 50, under 250 lb 44.00-46.00

Indianapolis Hogs
Thursday, December 29
Report supplied by USDA

BARROWS & GILTS. 300. Very slow, steady in a light test. US 1-2 few 220-245 lb. 52.50-53.00.

SOWS Not tested. US 1-3 few 215-250 lb 51 75-52.50 US 1-3 few head 420-460 lb 42 00-44 00

BOARS Over 350 lb 32 00, others scarce

Vintage Hogs
Vintage Sales Stables
Saturday, December 24
Report supplied by auction
92 head.

US 1 & 3 206-234 lb. 52.10-53.50; Lightweight 180-200 lb. 45.00-49.00; Sows 310-635 lbs. 35.50-41.75; 1 Boar 580 lbs. 30.00.

New Holland Feeder Pigs
Wednesday, December 28
Report supplied by USDA

Today	904
Last Wednesday	582
Last Year	992

TREND: Compared to last Wednesday feeder pigs 2.00-5.00 higher, mostly 2.00-3.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 27 head 24-27 lbs. 82.00-96.00; 261 head 30-38 lbs. 71.00-82.00; 203 head 44-48 lbs. 66.00-78.00; 74 head 50-58 lbs. 61.00-71.00; 51 head 64-67 lbs. 56.00-61.00; 74 head 71-78 lbs. 46.00-56.00; 43 head 95-108 lbs. 43.00-52.00.

US 2-3: 38 head 35-38 lbs. 52.00-69.00; 47 head 44-45 lbs. 60.00-65.00; 14 head 52-57 lbs. 51.00-59.00; 13 head 60 lbs. 45.00.

SADDLE UP!
To Better Equipment... Find It In Lancaster Farming's CLASSIFIEDS!

U.S. Inspected Livestock Slaughter

Estimated Livestock Slaughter Under Federal Inspection
First Four Days

	CATTLE	CALVES	HOGS	SHEEP
Week to Date (Est.)	410,000	42,000	990,000	78,000
Same Period Last Week (Est.)	521,000	48,000	1,210,000	100,000
Same Period Last Year (Act.)	466,000	39,000	1,031,000	83,000

Chicago Grain Futures

(Closing Bids as of Thursday, December 29

Mo.	Corn	Wheat	Soybeans	Soybean Meal
Jan.			8.07	224.40
Mar.	3.37¾	3.63½	8.27	225.40
May	3.40¼	3.40¼	8.39½	225.50
July	3.40	3.40	8.44½	224.80
Aug.			8.32	221.00
Sept.	3.12¾	3.53½	7.72½	212.80
Oct.				195.20
Nov.			7.22	
Dec.	2.94½	3.64½		195.20

Trends - Corn: stronger, Wheat: Sidewise to up, Soybeans: turning up from a downtrend, Soybean Meal: turning up from a downtrend.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Thursday, December 29)

Mo.	Chicago Cattle	Chicago Hogs	NY Maine Potatoes
Feb.	67.90	51.25	
Mar.			5.53
Apr.	67.87	48.45	6.31
May			6.81
June	67.15	53.10	
July		53.87	
Aug.	65.10	52.90	
Oct.	62.90	51.00	
Nov.			3.89
Dec.		51.55	

Trends - Cattle, hogs and potatoes are all stronger.
Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

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The starting times for each day are as follows: Monday at 1 P.M., Tuesday at 10 A.M., Wednesday at noon and Saturday at 10 A.M.

Consign your fat hogs to Walter M. Dunlap and Sons where they will be handled by experienced and capable personnel. All hogs weighed upon arrival.

For market information contact Ken Smoker or Ollie Nagle at 717-397-5136.

FEEDER PIG SALE
Every Tuesday - Starting at 1 P.M.

— HOLIDAY SCHEDULE —

NO HOG MARKET SALE DEC. 31st
BUSINESS AS USUAL MONDAY, JANUARY 2

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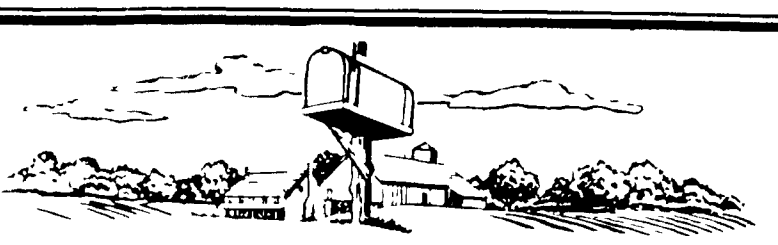
Lancaster Stockyards
Tel. (717) 397-5136

An Old Line Commission Firm Keeping Abreast With The Times



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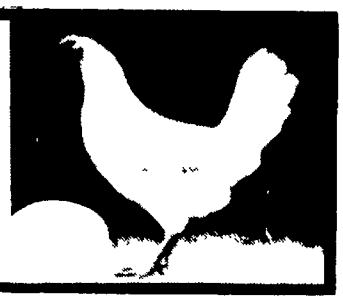

N.E. Weekly Shell Egg Report

Tuesday, December 27
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	1.21-1.23	1.20-1.22	1.14-1.16	89-91
Mostly	1.21	1.20	1.14	89
N. HAMP.	1.12-1.16	1.11-1.15	1.05-1.09	82-86
Mostly	1.14-1.15	1.13-1.14	1.07-1.08	84-85
R.I.	1.13-1.19	1.12-1.18	1.06-1.12	83-89
Mostly	1.13-1.15	1.12-1.14	1.06-1.08	83-85
VERMONT	1.15	1.10-1.12	1.02-1.05	
Mostly	1.15	1.10	1.02	
MAINE	1.19-1.22	1.18-1.21	1.12-1.15	89-92

X Includes Central and Western Sections only.

Weekly New York Egg Market

From Friday, December 23 to Thursday, December 29

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	1.10	CLOSED	1.12	1.15	1.17
Ex Large	1.09		1.11	1.14	1.16
Large	1.08		1.10	1.13	1.15
Mediums	1.06		1.08	1.11	1.13
Pullets	.87		.89	.92	.94
Off Grade	1 00		1.02	1 05	1.07
BROWN					
Jumbo	–	–	–	–	–
Ex Large	1.17		1.19	1.22	1.24
Large	1.16		1.18	1.21	1.23
Mediums	1.10		1.12	1.15	1.17
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Undergrades	.66		.66	.67	.69
Checks	.64		.64	.65	.67

Breaking Stock: Friday 22.80-23.40, 23.10-23.40; Wednesday 23.10-23.70, 23.40-23.70; Thursday 23.40-24.90, 23.70-24.90

Delmarva Poultry

Thursday, December 29
Report supplied by USDA

Market Comment: RTC movement on whole birds is irregular and ranges from light to fair. Current production is not clearing as well as anticipated, but plants still consider themselves to be in good balance. Cutlets and leg quarters move well under a strong demand. Legs and breasts are adequate, and a discounted lot is noticed here or there. Wings have peaked, and orders are now being filled with some discounting to keep them clearing in some quarters.

The overall slaughter is moderate. Live supplies are adequate. Weights irregular, but most plants are starting to fall into the desired range. Undertone is fully steady.

Today's L.T.L. asking prices are unchanged on U.S. Grade A at .59-.64 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/29 1,712; Actual 12/22 1,451; Actual 12/27 1,601; Average Weights 12/27 4.21; Average Weights 12/20 4.08.

Philadelphia Eggs

Thursday, December 29
Report supplied by USDA

MARKET COMMENT: Prices unchanged to higher. Demand for cartoned eggs is good, and several dealers are having difficulty in filling orders. Floor stocks of graded jumbos and extra large are in sufficient supply with some dealers putting extra large into large cartons. Large are tight, and most traders are more than willing to take on additional stocks. Mediums and smalls irregular, ranging from short to adequate. The call for nest runs is active, particularly class 1's. The unexpectedly good cartoned demand coupled with a continual loss of supply locally has put most all traders in a firm position.

Prices to retailers; sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 1.03-1.09; A Large 1.02-1.08; A Medium .99-1.05.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification		DATE Dec. 27 Tuesday	DATE Dec. 29 Thursday
Class 1 - Large	48 lbs.	96	1.03
Class 2 - Large	45 lbs.	92	98
Class 3 - Medium	42 lbs.	86	95
Class 4 - Small	39 lbs.	77	81
Breaking Stock	48 lbs.	76	85
Checks	48 lbs.	70	78

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, December 27
Report supplied by auction

RABBITS: 4-6 lbs. range 1.00-1.32 per lb.

RABBITS: 7-12 lbs. range .90-1.08 per lb.

BUNNIES: range .50-1.25 ea.

GUINEA PIGS: range .50-1.50 ea.

GOATS: range 25.00-35.00 ea.

TOTAL NUMBER COOPS: 256.

Eastern Pa. & N.J. Poultry

Wednesday, December 28
Report supplied by USDA

Market Comment: Current negotiations are limited as the availability of live has been light and is further reduced due to the expansion of the quarantine area in Pennsylvania. Slaughter schedules are limited and remain uncertain. Canner pack movement is only fair.

Prices Paid at Farm:
Light Type Hens: 23-24.
F.O.B. Plant: 26-27.

New York Multiple Drop Broiler Report

Thursday, December 29
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A .58-.64; Weighted AVG.: U.S. Grade A 62.81; Premium (X) Boxes 10,724.

(X) Includes special services, selected competitive brands, etc.

Belknap Auction

Dayton, Pa.
Wednesday, December 28, 1983
Report supplied by PDA

CATTLE 48. Compared with last Wednesday's market, slaughter cows steady to weak. Couple Standard slaughter steers 50.00 & 51.00. Couple Standard slaughter heifers 42.00 & 42.25. Utility and Commercial slaughter cows 37.75-42.00, Cutters 34.25-37.50, Canner & Low Cutters 26.75-34.25.

CALVES 73. Individual Choice vealer at 84.00, one Good at 75.00, few Standard 40.00-50.00, Standard & Good 90-125 lbs. 45.00-53.50, 60-85 lbs. 34.00-46.50, Utility 50-80 lbs. 20.00-31.00. Hol. Bulls 95-125 lbs. 60.00-86.00, 85-95 lbs. 47.00-56.00; few Hol. Heifers 85-100 lbs. 49.00-55.00.

HOGS 113. Barrows and gilts $2-$3 higher. US No. 1-2 230-255 lbs. barrows and gilts 53.00-53.60, lot 54.70, few No. 1-3 215-240 lbs. 52.60-53.10, lot No. 2-3 232 lbs. at 51.00, No. 1-3 125-160 lbs. 39.75-42.50. SOWS NO SALES. One Boar at 29.00.

FEEDER PIGS 28. Few US No. 1-3 25-40 lbs. feeder pigs 10.00-19.00 per head.

SHEEP 10. One Small lot Good 55 lbs. wooled slaughter lambs at 48.00, one small lot Utility 50 lbs. at 33.00.

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Record-Express Office Building
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or Lititz 717-626-1164

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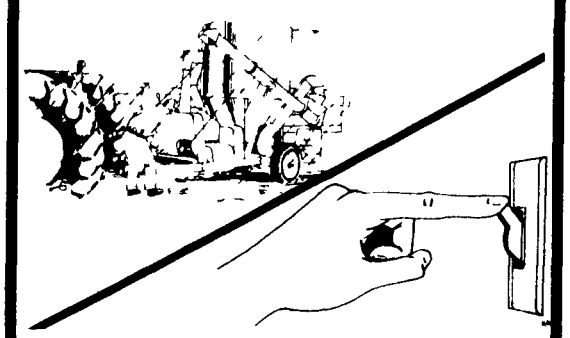
WINTER JOYS?



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(Photos Clockwise From Top Left, Leon Moyer, Lee Reinecker, Stan Schmidt, Harold Mishler)

Because of the Current dangers of spreading the Avian Flu virus from farm to farm, representatives from Moyer's Chicks, have been making themselves scarce. We are, however, as close as the nearest phone, and we are working hard at co-ordinating supplies for customers within the Q-Zone and for those without and those out of state.

SEE YOU AT THE PA FARM SHOW BOOTH #'s 641 and 642

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DEKALB BROWN & WHITE EGG LAYERS
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SAVE FEED $$

#545 HEIFER GROWER CONCENTRATE

With Rumensin

1 Lb. Per Head Per Day Plus Roughages From 8 Months To Fresh

Pennfield Heifer Growing Program

Age-Month	Body Weight	Bought Feed	lbs./Day	Hay lbs./Day	Corn Silage lbs./Day
Birth	90 lbs.	Go-Calf Milk Replacer Calf Starter	4 Quarts Free Choice	-0-	-0-
2		Calf Starter	5	3	-0-
3		Calf Starter	5	5	-0-
4	300 lbs.	Calf Starter	5	5	-0-
5		Dairy Feed Grower	4	5	-0-
6		Dairy Feed Grower	4	5	8
7		Dairy Feed Grower	4	5	10
8	510 lbs.	#545 Heifer Grower	1	5	19
9		#545 Heifer Grower	1	5	21
10	615 lbs.	#545 Heifer Grower	1	5	23
11		#545 Heifer Grower	1	5	25
12	720 lbs.	#545 Heifer Grower	1	5	27
13		#545 Heifer Grower	1	5	29
14	825 lbs. (Breed)	#545 Heifer Grower	1	5	31
15		#545 Heifer Grower	1	5	33
16	930 lbs.	#545 Heifer Grower	1	5	34
17		#545 Heifer Grower	1	5	36
18	1,035 lbs.	#545 Heifer Grower	1	5	37
19		#545 Heifer Grower	1	5	39
20	1,140 lbs.	#545 Heifer Grower	1	5	40
21		#545 Heifer Grower	1	5	41
22	1,245 lbs.	#545 Heifer Grower	1	5	42
23		#545 Heifer Grower	1	5	44
24	1,350 lbs.	#545 Heifer Grower	1	5	45

Heifer Cost - Birth To Fresh

lbs. Fed	Product Fed	Cost/Unit	Total Cost
25 lbs.	Go-Calf Milk Replacer	$22.90/50 lb. Bag	$ 11.45
500 lbs.	20% Calf Starter	$ 7.38/50 lb. Bag	$ 73.80
360 lbs.	Dairy Feed Grower	$ 198/Ton-Bulk	$ 35.64
510 lbs.	#545 Heifer Grower	$ 9.36/50 lb. Bag	$ 95.47
		Total Cost - Bought Feed	$216.36
3,420 lbs.	Hay	$115/Ton	$196.65
17,520 lbs.	Corn Silage	$ 30/Ton	$262.80
		Total Cost - Roughage	$459.45
		Total Cost - Feed And Roughage	$675.81

For More Information — Call Toll Free
Pa. 1-800-732-0467 Md. 1-800-233-0202

pennfield feeds

Quality - Performance - Service

HAY MARKETS

Kiester's Hay
Middleburg, Pa.
Tuesday, December 27
Report supplied by auction

31 loads of hay: Alfalfa 100.00-120.00; Mixed 51.00-110.00; Timothy 70.00-75.00.

11 loads of straw: 75.00-85.00.

2 loads Ear Corn: 105.00-117.50.

One load of Spelts 1.80 bu.

18 pickup loads of Firewood: 35.00-49.00.

Leinbach's Hay
Shippensburg, Pa.
Tuesday, December 27
Report supplied by auction

39 loads.

Alfalfa 91.00-147.50; Mixed hay 85.00-120.00; Bromegrass 98.00-115.00; Timothy 105.00-120.00; Clover 100.00; Straw 54.00-89.00; Ear corn 130.00-140.00.

Frederick Co. Hay
Buckeystown, Md.
Thursday, December 29
Report supplied by auction

22 loads, icy roads but market steady to stronger.

Alfalfa 4 good 129.00-147.50, one dark 115.00; Timothy 4 good 121.00-139.00; Mixed 4 good 127.50-140.00; Bright Straw 8 loads 66.00-82.00; Hardwood 70.00 cord.

Good's Hay
Leola, Pa.
Wednesday, December 28
Report supplied by auction

53 loads.

Straw 100.00-131.00; Mixed Hay 100.00-136.00; Timothy 115.00-124.00; Alfalfa 120.00-150.00; Corn 121.00-144.00; Oats 2.95/bu.

New Holland Hay
New Holland Sales Stables
Monday, December 26
Report supplied by auction

50 loads.

Alfalfa 92.00-180.00; Timothy 106.00-131.00; Corn 100.00-123.00; Mixed Hay 96.00-130.00; 1 load Fodder 71.00; Straw 96.00-126.00; 1 load Oats 2.65/bu.; Rye 2 25/bu.

King's Auction
Tuesday, December 27
Report supplied by auction

11 Loads.

Alfalfa 130.00-150.00; Timothy 110.00-111.00; Mixed Hay 120.00-144.00; Clover Mix 121.00; Straw 102.00-105.00; 1 big load wood 115.00/load.

Livestock market

Vintage Hay
Vintage Sales Stables
Thursday, December 29
Report supplied by auction

11 loads.

Alfalfa 112.00-149.00; Alfalfa mixed hay 92.00-147.50; Straw 97.50-122.00.

Hagerstown Hay
Martin's Elevator
Wednesday, December 28
Report supplied by auction

10 loads.

Alfalfa 156.00; Timothy 95.00-119.00; Grass-hay 116.00; Straw 56.00.

Penns Valley Livestock
Centre Hall, Pa.
Tuesday, December 27
Report supplied by auction

Beef Cows: Utility and Commercial 38.50-42.85; Cutters 36.25-38.10; Canners 31.75-35.75; Shells 28.00.

Heifers: Commercial 37.50-47.50.

Steers: Good 51.50-52.25; Standard 48.25-50.50.

Bulls: Good 52.10-54.10. Standard 46.50-49.25.

Veal Calves: Prime 93.00-101.00; Choice 76.00-89.00; Good 55.00-73.00; Standard 46.00-54.00; Utility 38.00-45.00.

Farm Calves: Bulls 80.00-103.00; Heifers 51.00-58.00.

Hogs: 47.50-51.10.

Sows: 35.00-36.25.

Boars: 26.00-27.50.

Shoats: 25-30 lbs. per head 12.00-16.00; 30-35 lbs. per head 18.00-21.00; 35-50 lbs. per head 19.00-30.00.

Goats: per head 17.00-28.00.

Valley Livestock
Valley Stockyards
Athens, Pa.
Monday, December 26
Report supplied by auction

Holstein Hfr. Calves to 55.00; Veal Calves 65.00-93.00; Vealer Bull Calves 60.00-81.00; Slaughter Calves 35.00-50.00; Grassers & Feeders 32.00-45.00; Lambs 47.00-59.00; Sheep 8.00-20.00; Hogs, 200 to 250 45.00-52.50; Sows 36.00-41.50; Boars 28.00-35.50; Pigs ea. 10.00-26.00; Heifers 36.00-42.00; Steers Med. to 46.50; Steers, feeder 32.00-45.00; Bulls 38.00-47.25; Cows, utility 36.00-38.00, top 40.00; Cows, fat 35.00-37.00; Cows, medium 32.00-34.00; Cows, poor or small 25.00-32.00; Cattle Market real good; Calf Market steady; Goats 13.00-72.50; Hay 80.00-90.00 per ton.

Joliet Cattle
December 29, 1983
Report supplied by USDA

CATTLE: Salable receipts this week 2,450, a week ago 2,463, and a year ago 3,292. Trading active for the week. Slaughter Steers ended the week 1.00-2.00, instances 3.00 higher. Slaughter heifers 1.00-2.00, few 2.50 higher.

SLAUGHTER STEERS: Choice, few prime 3-4 1150-1350 lbs. 68.25-69.00 Tuesday; 68.25-69.50, load 70.00 on Wednesday. Choice 2-4 1000-1300 lbs. 66.50-68.50. Mixed Good and Choice 2-3 950-1250 lbs 65.00-67.50. Good 2 900-1050 lbs 63.50-65.00.

SLAUGHTER HEIFERS Choice 2-4 900-1100 lbs. 65.00-66.75 Load Wednesday 67.25. Mixed Good and Choice 2-3 850-1050 lbs 62.50-65.00.

DAIRY MARKETS

New Holland Dairy
New Holland Sales Stables
Wednesday, December 28
Report supplied by auction

Reported receipts of 37 cows, 21 heifers, and 0 bulls.

Market stronger.

Load of PA Fresh cows 800.00-1280.00.

Load of PA Fresh cows 790.00-1020.00.

Load of PA Fresh cows 700.00-1000.00; springers 660.00-1030.00.

Locally consigned cows 365.00-990.00.

Springing heifers 500.00-780.00.

NEW HOLLAND SALES STABLES, INC. - THE ACTION AUCTION

MONDAY

EARLY BIRD HOG SALE

For Your Protection Your Hogs Must Be Identified

10:00 AM

11:00 AM

HAY
STRAW
GRAIN

1:30 PM
BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY

12:00 NOON

HEIFERS, BULLS

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on Route 23, New Holland, Penna

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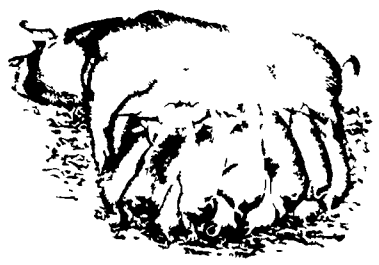
Norman Kolb - 717-397-5538

Field Representatives
Alan Diffenbach 717-656-9806
Luke Eberly 215-267-6608 - 738-1865

WEDNESDAY
FEEDER PIG SALE
1:30 P.M.



We endeavor to keep our barns cleaner than yours.
State graded until 12 Noon

THURSDAY

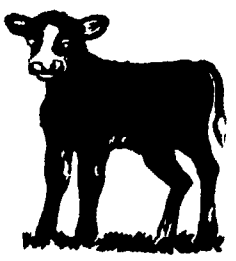
11:00 AM

BULLS -

STEERS -
BEEF COWS

3:30 P.M.

CALVES



SHEEP
GOATS

Market your livestock thru New Holland Sales, your neighbor does
Pick-up your check before you leave

Livestock market and auction news

Four States Livestock

Hagerstown, Md.
Wednesday, December 21
Report supplied by auction

SLAUGHTER: Fed Steers- No Choice offered; Good 51.00-54.00; Medium 50.00 down. Heifers- Good 47.00-51.50; Medium 46.00 down. Cows- steady to 1.00 lower, individual 44.00; High Yield 38.00-41.25; Average 34.00-37.00; Big Middle 30.00-33.00; Fatty Herf 28.00-32.00; Shelly 31.00 down. Fat Bulls- 2.00 lower; Good 45.00-46.75; Medium 42.00-44.00. Veal Calves- Choice 3.00 higher; Light Calves 2.00 lower; Choice 83.00-88.00; Good 75.00-82.00; Medium 65.00-74.00. Farm Bulls- to 80.00. Light & Weak 42.00 down. Lambs- Strong demand; Choice & Good 58.00-59.00. Butcher Sows- 350-750 lbs. 35.00-42.50.

STOCKER: Steers 300-550 lbs.- Steady to 2.00 lower; Choice 58.00-60.50; Good 53.00-57.00; Medium 47.00-52.00; Culls 46.00 down. Steers 600-850 lbs.- Choice 55.00-58.00; Good 50.00-54.00; Medium 49.00 down. Heifers (All Weights)- Choice 45.00-47.50; Good 41.00-44.00; Medium 40.00 down. Dairy Cows- to 475.00. Springing Heifers- to 785.00. Pigs Hd.- 2.00 under last week; 20-30 lbs. 10.00-15.00; 40-50 lbs. 16.00-18.00. Shoats by Lb.- to 43.00. Slaughter Hogs- 3.00 higher; 220-230 lbs. 49.00-50.00; 250-260 lbs. 48.75-49.75; 270-280 lbs. 47.75-49.50. Stock Bulls- Choice 57.00-63.00; Good 50.00-56.00; Medium 49.00 down.

Carlisle Livestock Auction

Carlisle, Pa.
Tuesday, December 27
Report supplied by auction

CATTLE: Steers were steady; Cows were 2.00 higher and Bulls were 1.00 hgiher. Steers- Good 58.00-62.75; Medium 57.00 down. Heifers- Too few to test market. Cows- Utility & Commercial 37.00-41.85; Cutter 35.00-37.00; Canner & Low Cutter 32.00-35.00; Shells 31.00 down. Fat Bulls- Good 52.00-54.25; Medium 45.00-49.85.

FEEDER CATTLE: Light run due to weather conditions. Steers- (250-650 lbs.) Medium 39.00-50.00. Heifers- (460-600 lbs.) Medium 32.00-41.50.

CALVES: Steady prices. Vealers- Choice 80.00-95.00; Good 65.00-80.00; Standard & Good 56.00-70.00; Standard 45.00-55.00; Light & Weak 44.00 down. Farm Calves- Hol. Bulls 90.00-108.00.

HOGS: Very active 5.00 higher than last week. US No. 1-2 51.50-55.25; US No. 1-3 47.25-52.00; US No. 2-3 43.50-48.00. Sows- Strong demand! 5.00 to 10.00 higher; US No. 1-3 44.50-49.00; No. 2-3 39.50-45.00. Boars- 32.25.

FEEDER PIGS: US No. 1-3 20-25 lbs. 10.00-11.00 head; NO. 1-3 30-40 lbs. 12.00-16.50 head; No. 1-3 45-65 lbs. 21.00-29.00 head.

SHEEP: Lambs- Few Choice 60.00-60.50. Ewes- Few 7.00-9.00. Goats- Large 30.00-38.00 head, Small 12.00-19.00 head.

Sale every Tues. 7.00 PM for Livestock; 5:45 PM for Eggs and Rabbits only.

Oklahoma Cattle

Wednesday, December 28
Estimated Receipts: 500
Same Day Last Week: 755

Wednesday's actual sale ring total 276 head. Not enough feeder steers or heifers in any one weight group to establish a market. Cows steady in limited test. Bulls not established. Cows and bulls made up 18 percent of actual sales.

SLAUGHTER COWS: Few breaking utility 2-3 40.80-41.00; Cutter and boning utility 1-2 37.30-41.30.

SLAUGHTER BULLS: Yg 1-2 pkg 1455 lb. 48.25.

Thursday, December 29

Compared to last week, not enough feeder steers or heifers to establish a market due to adverse weather conditions and holiday shortened week. Slaughter cows were 2.00-3.00 higher with limited sales of breaking utility 2-3 from 40.80-43.00; Cutter and boning utility 1-2 35.50-40.20, pkg. topping at 41.30; canner and low cutter 33.00-34.75. Bulls were 2.00-4.00 higher with yg 1-2 1450-1625 lb. 51.00-53.25, pkg. 1455 lb. 48.25. Salable receipt this week estimated at 650 head compared with 3,776 head last week and 1,018 head last year. Cows and bulls made up 31 percent of estimated supply.

Peoria Cattle

Thursday, December 29

Compared to last week slaughter steers 1.00 to 1.50 higher. Heifers steady to .50, instances 1.00 higher. Cows and bulls unevenly steady trade opened the short holiday week only moderate at best and turned slow at midweek. Majority of supply good to average choice with several consignments carrying mude. Cows and bulls 15% receipts this week about 1150 as compared to 1555 a week ago and 1764 a year ago.

SLAUGHTER STEERS: Choice 2-4 1000-1300 lbs. 66.00-67.50. Good and choice 2-3 1000-1200 lbs. 64.00-66.00, few 850-1000 lbs. 63.00-64.50. Good 60.00-64.00. Holsteins: Good, few choice 1-3 1050-1400 lbs. 55.00-57.00.

SLAUGHTER HEIFERS: Choice 925-1000 lbs. 64.50-66.00. 850-950 lbs. 63.00-64.50. Good and choice 2-3 850-1050 lbs. 60.00-64.00. Good 58.00-62.00.

COWS: Breaking utility and commercial 2-4 36.00-38.00. Cutter and boning utility 1-3 35.00-39.00. Canner and low cutter 1-2 29.00-35.00.

BULLS: Yg 1 1100-1900 lbs. 43.00-46.50.

Morrison Cove Livestock

Martinsburg, Pa.
Monday, December 26
Report supplied by auction

CATTLE 171. High Choice & Prime sl. steers 65.00-66.50, Choice 62.50-64.75, Good 58.50-61.75, Standard 52.50-57.50, Utility 42.50-51.75. Choice slaughter heifers 59.50-62.50, Good 54.50-58.75, Standard 45.50-52.50, Utility 38.50-44.50. Utility & Commercial sl. cows 42.50-44.75, Commercial 40.50-41.75, Cutters 38.50-40.25, Canner & Low Cutters 33.50-38.50, Shells down to 26.00. Choice sl. bullocks 54.50-58.50, Good 48.50-52.50, Standard 42.50-46.50, Utility 38.50-42.50. Yield Grade #1 sl. bulls 46.50-48.50, #2 43.50-45.25.

FEEDER CATTLE. Choice feeder steers 52.50-56.50, Good 50.50-52.50, Medium 43.50-48.50; Good feeder heifers 54.50-56.50, Medium 44.50-48.50; Good feeder bulls 48.50-51.50, Medium 41.50-44.50.

CALVES 250. Prime vealers 82.50-90.50, Choice 75.50-80.50, Good 65.00-70.50, Standard & Good 110-130 lbs. 50.50-60.50, 90-110 lbs. 42.50-47.50, 70-90 lbs. 38.50-43.50, Utility at 20.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 75.00-102.00; Hol. Heifers 95-125 lbs. 58.50-75.50.

HOGS 204. US No. 1-2 220-230 lbs. barrows and gilts 52.50-53.25, No. 1-2 220-230 lbs. 50.75-52.10, No. 2-3 180-360 lbs. 48.50-50.25. US No. 1-3 320-550 lbs. sows 43.50-46.50, No. 2-3 320-550 lbs. 38.75-42.75. BOARS 28.25-29.50, light weights 33.00-35.00.

FEEDER PIGS 36. US No. 1-3 25-35 lbs. feeder pigs 7.00-9.00 per head, No. 1-3 30-40 lbs. 10.00-12.00, No 1-3 40-50 lbs. 18.00-28.50 per head.

SHEEP 6. Choice 100-135 lbs. wooled slaughter lambs 50.00-55.00, Good 60-80 lbs. 43.00-45.00.

Monday markets not covered by USDA & PDA due to holiday

Apple Market News

Tuesday, December 27
Report Supplied by PDA

The Pennsylvania Department of Agriculture hopes that you and your family enjoyed a joyful Christmas and we would like to take this opportunity to wish you and yours a Happy and Successful New Year.

Movement of apples, both bag and traypack, remains poor. Particularly during the short Christmas week. Some packers report no activity at all. Demand for traypack is slightly higher than bagged apples. Prices remain stable.

Other areas of the Appalachian district shows demand as being light and the market about steady. Western New York and Michigan reports a light demand with a steady market. Michigan reports that trucks are being delayed by snow and poor road conditions.

The citrus freeze in Florida and Texas could have a bearing on movement of apples during January. It is still too early to tell just what effect this could have. Keep your eye on this.

SUMMARY

Prices quoted below are wholesale, truckload, f.o.b. at the orchard or packing house on Pennsylvania apples.

TRAYPACKS:

Red Delicious U.S. Extra Fancy - 100's & up - $11.00; U.S. Extra Fancy - 113's - $10.50; U.S. Extra Fancy - 125's - $10.00; Comb. Fancy & Extra Fancy 100's & up - $10.00; Comb. Fancy & Extra Fancy 113's - $9.50; Comb. Fancy & Extra Fancy 125's - $8.50-$10.00.

Golden Delicious Comb. Fancy & Extra Fancy 88's & up - $10.00; 100's - $9.50; 113's $9.00.

Red Rome U.S. Extra Fancy 88's up - $11.00; 100's - $10.00; Comb. Fancy & Extra Fancy 80's & up - $9.50; 88's - $9.00.

Stayman U.S. Extra Fancy 113's up - $14.00; 125's - $13.,00; Comb. Fancy & Extra Fancy 113's up - $12.00; 125's - $11.00.

BAGS: 12/3 bags Red Delicious U.S. Fancy - $7.50-$7.75; Golden Delicious U.S. Fancy - $6.50; Stayman U.S. Fancy - $8.00; Red Rome Extra Fancy - $8.00; Fancy - $6.00-$6.50.

For quotations of next week's prices
call collect 215-488-7617

PA WATTS NUMBER
800-342-2249

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Buyers of Leghorn Fowl

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CLOSED WEDNESDAYS

Livestock market and auction news

THE OLD FARMER'S ALMANAC

JAN. 2-8, 1984

Old bones groan as snow twirls and whirls.

Order your seed catalogs now Average length of days for the week, nine hours, 12 minutes New moon Jan 3 (Tues) LBJ outlined Great Society Jan 4, 1965 Arctic snowy owls return Cattle need salt now *A masterly retreat is in itself a victory*

Ask the Old Farmer: Could you advise me on the right kind of paint (flat or oil) to use on old style radiators? Don t some paints hold the heat in '? T S K , Richmond, Va

Use any oil or latex paint in flat or gloss, they will let you get more heat from the radiators than aluminum or gold

Home Hints: For a wonderful pincushion cover a ball of steel wool with a bright scrap of material It sharpens your needles and pins

OLD FARMER'S WEATHER FORECASTS

New England: Week begins with rain, snow mountains, midweek is cloudy, cold, snowstorm at end of week

Greater New York-New Jersey: Week begins mild with rain, contin ues mild with clearing, then more rain, snow mountains by week s end

Middle Atlantic Coastal: Rain, followed by cloudy, colder weather rain again at end of week

Piedmont & Southeast Coastal: Cooler weather gives way to sunny and mild at midweek, rain and seasonable weather by week's end

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East Coast Carlot

Wednesday, December 28
Report supplied by USDA

Compared to Friday's close: Prime Special Fed Veal fully steady. Good and Choice Boning Veal steady to 1.00 lower; inshipped sales of late Friday generally steady with Thursday's last test. Compared to last week, storm reduced supplies of Lamb 5.00 higher. Boneless Beef and Trimmings 1.00 to 2.00 higher than last week, including sales for immediate delivery.

VEAL CARCASS
Prime (Special Fed)
Hide On
275 Head

220-280 lbs. 172.00-175.00, steady.

Good & Choice
Boning Type
Hide On

Northeastern Suppliers: All steady to 1.00 lower. 65-75 lbs. 72.00-75.00; 55-64 lbs. 70.00-73.00; 45-54 lbs. 68.00-71.00; 35-44 lbs. 66.00-69.00; 34 lbs. down 64.00-67.00.

Inshipped: Late Friday, all generally steady with Thursday. 71-80 lbs. 76.00; 61-70 lbs. 74.00; 51-60 lbs. 72.00; 41-50 lbs. 70.00; 30-40 lbs. 68.00.

LAMB BEEF
Choice and Prime 3-4
15 Loads

Compared to last week all 5.00 higher.

55 lbs. down 135.00; 55-65 lbs. 135.00; 65-75 lbs. 135.00.

BONELESS BEEF
(US and Canadian Origin)
4 Loads

Compared to last week 1.00 to 2.00 higher.

90% Chem Lean Fresh 110.00-111.00.

BEEF TRIMMINGS
2 Loads

Compared to last week 1.00 to 2.00 higher.

50% Chem Lean Fresh 51.00-53.00.

Westminster Livestock Auction

Westminster, Md.
Tuesday, December 20
Report supplied by auction

BUTCHER COWS: .50 to 1.00 higher! High Yield 39.00-41.25; Standard & Utility 35.00-39.00; Canners 32.00-36.00; Shelly 32.00 down. Slaughter Bulls- Few Medium 40.00-41.25. Fed Steers- High Choice & Prime 64.00-66.25; Choice 60.00-64.00; Good 55.00-60.00; Standard 45.00-50.00. Fed Heifers- High Choice 58.75-62.00; Medium to Good 49.00-53.50.

BUTCHER HOGS: No US 1 & 2 offered. 2.00 higher! US #1 & 3 215-240 lb. 47.75-48.25. US 1 & 3 240-280 lb. 45.00-46.50; 300-335 lb. 40.00. Sows- Large run; bulk US 1 & 2 370-540 lb. 35.00-36.50. US 1 & 3 300-425 lb. 45.00-46.50. Boars 500-600 lb. 31.50-31.75.

VEAL CALVES: Good run. Choice 85.00. Killers 80-100 lb. 40.00-48.00; Weak & Rough 40.00 down.

CALVES RETURNED TO FARM: Holstein Bulls 95-120 lbs. 60.00-84.00. Goats by the head 30.00-47.00; one to 59.00.

LAMBS: Choice to Prime 95-131 lb. 55.00-59.00; 60-90 lb. 48.00-51.00; Sheep 17.00-20.00.

STOCK CATTLE: Prices steady. Steers- 300-500 lb. Good & Choice 50.00-59.50, 1 load 750-850 lb. 55.50-56.50. Heifers- 300-700 lb. Good & Choice 42.00-50.00, 1 load 700-825 47.00-50.00. Bulls- 300-500 lb. Good 40.00-51.00.

PIGS AND SHOATS: Few offered. By the Head- 30-60 lb. 15.00-23.50, 1 lot over 60 lb. to 27.00.

Greencastle Livestock

Greencastle, Pa.
Monday, Dec. 26
Report Supplied by Auction

CATTLE: Butcher Steers - Choice 63.00-67.00; Butcher Steers - Medium - Good 52.00-63.50; Butcher Heifers - Choice up to 65.00; Butcher Heifers - Medium - Good 43.00-60.00; Butcher Cows - Utility - Good 35.00-39.00 few to 41.00; Butcher Cows - Canners and Cutters 32.00-38.00; Butcher Cows - Shells 32.00 & down; Butcher Bulls - Medium - Good 44.00-51.00; Stock Steers - Medium - Good up to 57.50; Stock Heifers - Medium - Good 50.00.

CALVES: Medium-Good Calves - 160-220 lbs. 60.00-87.00; Medium-Good Calves - 125-160 lb. 55.00-80.00; Medium-Good Calves - 100-120 lbs. 50.00-65.00; Medium-Good Calves - 80-100 lbs. 42.00-55.00; Holstein Bull Calves up to 96.00; Holstein Heifer Calves 60.00; Light and Green Calves down to 20.00.

SHEEP and LAMBS: Medium-Good Lambs 48.00-55.00.

HOGS: Good-Choice Butcher Hogs 190-225 lbs. 49.00-51.00; Good-Choice Butcher Hogs 225-250 lbs. 50.00-53.00; Good-Choice Butcher Sows 400 lbs., up to 44.00; Good-Choice Butcher Sows 400 lbs., up 30.00; Pigs - Per Head 7.00-19.00.

Timothy Hay 110.00-113.00 a ton; Orchard Grass - 86.00 a ton.

Hay Sale Monday 1 P.M.

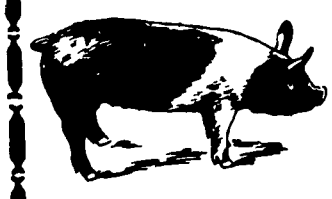
HATFIELD

ATTENTION YORK CO. FARMERS
Looking!!! For Quality Hogs

Every Monday
HATFIELD PACKING CO.
BUYING STATION AT
SECHRIST SALES CO.
LIVESTOCK AUCTION
R.D. 1 Stewartstown, PA

..Top Select Price on #1 & 2 Hogs 215 - 245 lbs.
.. We will receive your hogs from 6 A.M. until ???
.. Your hogs will be weighed & paid for immediately
.. There will not be a commission or yardage fee
.. You may call our office Monday morning for base price
.. Please give us a chance to market your hogs

FOR INFORMATION CALL
717-993-6130



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FRIDAY, JANUARY 20
ON THE FARM MONTHLY
BRED GILT SALE
Sale to Start Promptly at 1:00
Every 4 Weeks

Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road. Watch for sale arrows.

50 to 60 Head

Now selling our new hybred gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & Less trouble over farrowing and better weight gains.

Validated Brucellosis Free Herd #169
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Hand mated with Breeding Dates

Local Trucker Available
No Hogs Sold On Commission

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R.D. 2, Quarryville, Pa
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer

NEXT SALE DATE FEBRUARY 17

ATTENTION FARMERS

EVERY MONDAY
HATFIELD PACKING CO. and
MOYER PACKING CO.
Will Receive Your
Hogs and Cattle at the
DANVILLE LIVESTOCK MARKET
RD4, Danville, PA

- We will receive your hogs from 8 AM to 12 Noon every Monday. Your hogs will be weighed and paid for immediately.
- We will also accept your sows & boars
- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

CLOSED MON., JAN. 2, 1984

MELVIN M. LEHMAN - Owner
Danville Buying Station
Phone: 717-275-2880

Livestock market and auction news

Due to the holidays, no market reports available from Virginia

Central U.S. Carlot

Wednesday, December 28
Report supplied by USDA

Compared to Tuesday's 4:00 Report: Steer Carcasses steady to $1.00 higher with advance on Holstein type. Heifers steady to $1.00 higher with advance on Choice 400-550 lbs. Demand and trading light. Packers firm on moderate supplies. The gross boxed beef carcass cutout value advanced $1.51 to an estimated $109.12 per cwt, 153 loads boxed cuts reported.

Sales reported on 41 loads of Steer and Heifer carcasses.

STEER BEEF
16 Loads
FOB Omaha Basis

Choice 3 600-900 lbs. 104.00, steady.

Good 2-3 600-900 lbs. 101.00, steady.

Choice 2-3 600-900 lbs. 96.00 (Hols.), 1.00 higher.

Good 2-3 600-900 ls. 92.00 (Hols), 1.00 higher.

HEIFER BEEF
25 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 102.00, steady.

Choice 3 500-550 lbs. 97.00-98.00, mostly 98.00, 1.00 higher.

Choice 3 400-500 lbs. 95.00-96.00, mostly 96.00, 1.00 higher.

Choice 4 500-700 lbs. 92.00.

Good 2-3 550-700 lbs. 99.00.

COW BEEF
42 Loads
FOB Omaha Basis

Compared to last week: prices steady to $3.00 higher Omaha Basis, $1.00-6.00 higher Amarillo Basis. Supplies moderate in Midwest, very light in Texas.

Bkrg Utlty 2-3 450/up lbs. 69.00-70.00 (West).

Bng Utlty 1-3 400/up lbs. 71.00-72.50 (West).

Bng Utlty 1-3 400/up lbs. 72.00 (Midwest).

Canner & Cutter 1-2 350/up lbs. 76.00-77.00 (Midwest).

FOB Amarillo Basis

Bng Utlty 2-3 400/up lbs. 76.00-80.00.

Canner & Cutter 1-2 350/up lbs. 79.00-84.00.

PRIMAL BEEF CUTS
10 Loads
FOB Omaha Basis

Good and Choice 2-3: Short Plates 55.00-56.00.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS
89 Loads
FOB Omaha Basis

90% Chem Lean Fresh 101.00-104.00.

90% Chem Lean Frozen 106.00.

50% Chem Lean Fresh 45.00-47.00, bulk 45.00.

FOB Amarillo Basis

90% Chem Lean Fresh 109.00.

90% Chem Lean Frozen 109.00.

85% Chem Lean Fresh 97.00.

Compared to Tuesday's 4:00 report: Fresh Pork Loins 14-17 lbs., regular trim, mostly $9.00 higher than last good test Friday. Skinned Hams steady in light test. Sdls Bellies generally steady to $2.00 lower. Trading active on Loins, slow to moderate on other cuts. Demand light to good for light to moderate offerings..

Sales reported on 43 loads of Fresh Pork Cuts plus 6 loads of Trimmings & Boneless Processing Pork.

FRESH PORK CUTS

LOINS: (Regular) 14-17 lbs. 105.00-110.00, bulk 107.00, mostly 9.00 higher than Friday; 17-22 lbs. 98.00.

LOINS: (Retail Trim) 14-17 lbs. 114.00-120.00, mostly 114.00-117.00; 14-17 lbs. 116.00-122.00 Short Cut.

PICNICS: 4-8 lbs. 60.00, no comparison.

BOSTON BUTTS: 4-8 lbs. 81.00-83.00, no comparison.

SKINNED HAMS: 14-17 lbs. 78.00-78.50, steady; 20-26 lbs. 75.00, steady.

BELLIES (Sdls - Skin On): Mixed weight loads; 12-14 lbs. 55.50-57.50, generally steady; 14-16 lbs. 55.50-57.50, generally steady; 18-20 lbs. 50.00-52.00, steady-2.00 lower; 20-25 lbs. 48.00, generally steady.

BNLS CT BUTT: 1.5-3 lbs. 114.00, no comparison.

PORK TRIMMINGS/ BONELESS PROCESSING PORK (Chemical Lean)

42% Lean Trimmings Fresh 38.00, firm.

72% Lean Trimmings Fresh 72.50-74.00, firm.

Jowls fresh 29.00, no comparison.

Indiana Auction

Homer City, Pa.
Thursday, December 29, 1983
Report supplied by PDA

CATTLE: 162. Compared with last week's market: Sl. cows steady to weak. Sl. steers: Choice 62.00-66.25; Good 57.00-62.75; (few) Standard 54.00-57.50. Sl. heifers: Choice 63.00-66.00; (few) Good 52.00-56.00; Standard 44.00-51.00. Sl. cows: Utility & Commercial 37.00-41.50; Cutters 34.00-37.25; Canner & L. Cutter 28.00-34.50. Sl. bulls: Yield Grade No. 1 1000-1800 lbs. 45.00-48.50.

FEEDER CATTLE: Steers, (few) Medium frame No. 1 400-500 lbs. 54.00-57.00. Heifers, Medium Frame No. 1 350-500 lbs. 50.00-58.00.

CALVES: 193. Choice 87.00-100.00; Good 70.00-84.00; 90-120 lbs. 46.00-54.00; 60-85 lbs. 40.00-47.00.

FARM CALVES: Hol. Bulls 90-125 lbs. 60.00-98.00.

HOGS: 100. Barrows and gilts .25-.50 higher. US No. 1-2 220-280 lbs. 52.75-53.75; (few) No. 1-3 210-265 lbs. 51.00-52.50; few No. 2-3 260-290 lbs. 48.00-50.00; few No. 1-3 100-155 lbs. 40.00-43.25; Sows US No. 1-3 300-450 lbs. 40.00-44.00; few No. 2-3 380-500 lbs. 32.50-36.00. Few Boars 31.00-33.25.

FEEDER PIGS 63. US No. 1-3 20-35 lbs. 13.00-20.00 per head; No. 1-3 40-55 lbs. 21.00-24.00.

SHEEP: 23. (few) Good 60-70 lbs. 47.00-49.00; (few) Utility 40-45 lbs. 30.00-32.00.

Keister's Auction

Middleburg, Pa.
Tuesday, December 27, 1983
Report supplied by auction

CATTLE 332. Choice slaughter steers 65.00-67.85, Good 60.00-65.00, Standard 55.00-60.00, Utility 45.00-55.00. Choice slaughter heifers 60.00-64.75, Good 56.00-60.00, Standard 50.00-55.00, Utility 40.00-50.00. Utility & Commercial slaughter cows 35.00-40.85, Cutters 32.00-37.75, Canner & Low Cutters 30.00-32.00, Shells down to 28.00. Good bullocks 50.00-56.50. Yield Grade #1 1200-2390 lbs. slaughter bulls 48.00-56.75, #2 800-1200 lbs. 40.00-48.00.

CALVES 141. Choice vealers 65.00-86.00, Good 50.00-65.00, Standard & Good 90-110 lbs. 40.00-55.00, 70-90 lbs. 30.00-40.00.

FARM CALVES: Holstein Bulls 90-125 lbs. 70.00-100.00.

HOGS 622. US No. 1-2 210-235 lbs. barrows and gilts 54.25-55.75, No. 1-3 2-250 lbs. 53.50-54.25, No. 2-3 190-270 lbs. 50.00-53.00. US No. 1-3 275-500 lbs. sows 40.00-50.00, No. 2-3 300-600 lbs. 34.00-40.00.

FEEDER PIGS 276. US No. 1-3 10-20 lbs. feeder pigs 8.00-20.00 per head, No. 1-3 30-40 lbs. 20.00-35.00, No. 1-3 40-60 lbs. 35.00-45.00 per head.

SHEEP 9. Slaughter ewes 10.00-22.00.

Chambersburg Livestock

Chambersburg, Pa.
Thurs., Dec. 29
Report Supplied by PDA

CATTLE: 402. Compared with last week's market: Sl. cows strong to .25 higher. Sl. steers: (few) Good 57.00-62.00. Holsteins: few 56.50-58.00. Sl. heifers: (few) Standard 50.50-53.50. Sl. cows: Utility & Commercial 35.75-40.00; Cutters 33.00-37.00; Canner & L. Cutter 30.25-33.75. Sl. bulls: (few) Yield Grade No. 1, 1300-1775 lbs. 44.50-50.75.

CALVES: 417. (few) Prime 108.00-114.00; (few) Choice 79.00-99.00; (few) Good 60.00-70.00; 75-110 lbs. 44.00-51.00; Utility 60-90 lbs. 30.00-45.00.

FARM CALVES: Hol. Bulls 100-120 lbs. 75.00-105.00.

HOGS: 37. Few lots No. 1-3 210-260 lbs. 51.50-52.35; few US No. 1-3 340-430 lbs. 41.50-44.00.

FEEDER PIGS: 16. Lot US No. 1-3 50 lbs. at 24.50 per head.

SHEEP: 7. Lot Good 69 lb feeder lambs at 52.50.

Leesport Auction

Leesport, Pa.
Wednesday, December 28, 1983
Report supplied by PDA

CATTLE 227. (Sale not covered by reporter due to weather conditions.)

CALVES 142.

HOGS 224.

FEEDER PIGS 147.

SHEEP 21.

GOATS 2.

Belleville Auction

Belleville, Pa.
Wednesday, December 28, 1983
Report supplied by PDA

CATTLE 138. (No coverage due to other grading activities.)

CALVES 135.

HOGS 286.

FEEDER PIGS 133.

SHEEP 27.

GOATS 1.

KING'S AUCTION, KIRKWOOD
Hay, Straw and Grain Auction Every
EVERY TUESDAY
12:00
Located Rt. 472 5 miles south of Quarryville or 6 miles north of Oxford at Shaub's Auction House.
No out of state checks accepted without bank approval
ALL TRUCKERS AND FARMERS WELCOME

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AUCTIONS
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THURSDAY, NOV. 3, 1983
Every Thursday at 1 P.M.
HAY, STRAW & GRAIN
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10 miles east of Lancaster, 8 miles west of Coatesville on Rt. 30, Paradise, PA.
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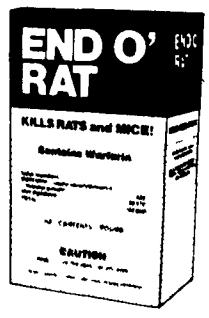

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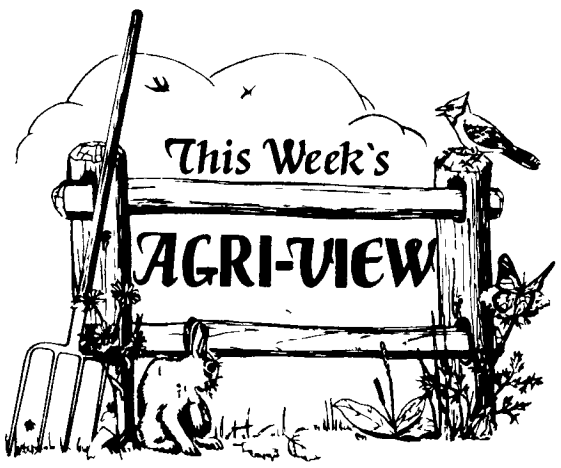


The year ahead

BY DICK ANGLESTEIN

1983 was a momentous year in agriculture. Many in agriculture were hit hard in three different ways -- the weather, disease and government programs.

But when this time rolls around next year, the effects felt by agriculture during the past year may seem quite small compared to what may lie ahead during 1984.

From a long-range viewpoint, the coming year may become the most important ever experienced in agriculture. What happens during the next 12 months may be felt throughout agriculture for many years to come.

Look at just a few examples:

More than likely it will be well into the New Year before the full extent and effects of the Avian flu outbreak is known in the poultry industry. As 1983 ends, Avian was still creeping southward and westward from the core of infection in Lancaster County. It was getting ever closer to the Delmarva Peninsula and was detected in Adams County -- another poultry center of the state.

Farmers and industry personnel soon will start to face the final decision of whether to repopulate or wait. This decision, which is deeply steeped in economic terms, will have to be made in the light of the status of the disease that exists during the coming weeks and months. It will be a most difficult decision for many.

During the coming month dairy farmers have a big decision to make, too. In its way, it will shape the future of dairying, just as the decision facing area poultry operators will determine their future. Each dairy family must make a decision on whether to participate in the Milk Diversion Program and how much.

While this is a decision that must be made by each and every dairy family, their collective answer will affect the entire industry for many years to come. To use a sports term, the government neatly placed the ball clearly in the court of the dairy industry. How they handle "that ball" to help solve the problem of over-production will surely be a major factor in any future dairy legislation.

And, on an even larger legislative scale, the coming year will bring many meetings and discussions about the new Farm Bill due in 1985 While the bill won't be formally written during 1984, you can bet that before year's end many of the basic decisions will have been made on the overall future relationship between the Federal Government and agriculture.

As the New Year prepares to begin, it might be good to reflect just a bit on 1983, but take an even longer pause to look ahead to 1984.

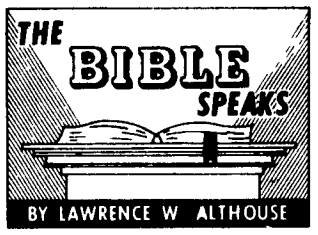
It's a big country and a huge agricultural network that stretches across it. But in the long run that huge ag network is based on the individual decisions that are made on each and every farm.

And, there's no easy way to make such decisions. It comes down to trying to draw a fine balance between the individual needs and situation of each farm family and the overall goals and requirements of agriculture as a whole.

The development of the best and most productive agriculture in the world did not occur by chance in this country. There have been many factors that account for this tremendous achievement.

But one factor that is often overlooked when credit is given is the resiliency of the typical farm family to bend to meet changing times and adapt iteself to new demands and conditions. This resiliency has been evident down through the years as agriculture led the way for the country to expand from coast to coast and evolve into a highly mechanized and modern industry. In the midst of all of these changes, the common denominator in agriculture has been this dedicated human resiliency of the individual farm family.

And, once again I'm sure, this quality will help provide the foundation for the farm family to meet the challenges ahead in 1984 and make the decisions that will be faced.



THE GREAT ARRAIGNMENT

January 1, 1984

Background Scripture:
Isaiah 1; 2 through 3:15.
Devotional Reading:
Isaiah 3:1-7.

The Book of Isaiah begins with a great trial which sums up pretty well the rest of the book. In this trial, which one Biblical scholar called "The Great Arraignment," we can discern the various actors in a court of law.

Yet, it is not an ordinary trial, but one of cosmic proportions. For in these proceedings it is evident that God is both the Plaintiff and the Judge. The Jury is composed of Heaven and Earth. And the Defendants? It is the people of Judah who stand accused.

THE CHARGE

Of what are they accused? Isaiah lays it out for all to see: they are " a sinful nation, a people laden with iniquity, offspring of evildoers, sons who deal corruptly! They have forsaken the Lord, they have despised the Holy One of Israel.." (Is. 1:4).

And the evidence: "Your country lies desolate, your cities are burned with fire; in your very presence aliens devour your land; it is desolate..." (Is. 4:7).

But surely the people of Judah have a defense! Yes, they remind the Judge of their piety, their worship, the sacrifices they offer in the Temple their special feast days and ritual observances. Surely this is evidence of their piety and faithfulness. Surely they have been wrongly accused!

The cross-examination by the plaintiff, however, is withering:

"What to me is the multitude of your sacrifices?" says the Lord. "I have had enough burnt offerings of rams and the fat of fed beasts. When you come to appear before me, who requires of you the trampling of my courts?" (Is. 1:11,12a).

THE VERDICT

Then suddenly, the arraignment trial is over. There is no need for any more evidence. That which has been presented is more than enough to convict them. They are guilty, even though in their own hearts they may not yet have acknowledged it.

I must confess that I have previously misinterpreted Isaiah 1:18-20, as have many people. I assumed that the Judge was offering the Defendants unconditional pardon: "...though your sins are like scarlet, they shall be white as snow; though they are red like crimson, they shall become like wool." But, according to Biblical scholars, these verses mean that the Judge is castigating the Defendants for their hardness of heart. What he is saying, then, is something like this: "Although your sins are like scarlet, you think they are white as snow."

No, the forgiveness is not unconditional, but is dependent upon their response to this conviction: "Wash yourselves; make yourselves clean...cease to do evil, learn to do good; seek justice, correct oppression; defend the fatherless, plead for the widow" (Is. 1:16,17). Then and only then can the Defendants by pardoned.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717 394 6851

To Know Tax Reporting Timetables

Farmers planning to estimate what their tax is going to be for 1983 should file Form 1040ES by January 17. If you file your Estimated Return by January 17, you have until April 16 to file a complete tax return on Form 1040 and pay any tax still due to request a refund if they overpaid in making the tax estimate. However, farmers who do not file and pay an estimated tax must file the completed 1040 form by March 1 and pay in full whatever tax is due at that time. Non-farmers have until April 16 to complete their 1040 and pay any tax due. Farmer's Tax Guides are available at the Extension Office of assist in filing your reports.

To Check Barn Ventilation

Proper ventilation of all types of livestock and poultry buildings is very important during the winter months. When the warm, moisture-laden air is not moved out of the area, we usually see condensation on the windows, walls and ceilings. This is especially true with little or poor insulation. Exhaust fans will move the air out, and protect the building. This time of year the barns are filled with livestock; these animals give off large amounts of body heat. When condensation occurs it is a sign that some attention is needed; in most cases it is a problem with ventilation or with insulation.

To Review Farm Partnership Agreements

There are a number of advantages to setting up farm partnerships, but an annual review of the agreement, and its meaningfullness in relation to current needs is essential.

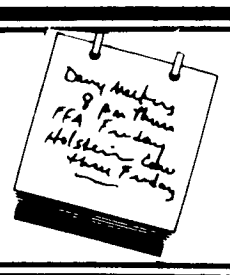
Once a farm partnership is drawn up, the agreement should be received at least once a year. This should be done for two reasons. First, to see how well each of the partners is meeting his obligations...and secondly, to carefully evaluate the agreement to see if it is doing its intended job.

Then too, farming is a rapidly changing business. So don't be surprised if the agreement you set up just a couple years ago isn't entirely adequate to meet today's needs.

So review if carefully. If the agreement doesn't quite measure up to current needs, plan to make the necessary changes as we enter 1984.

(Turn to Page A12)

Farm Calendar



Tuesday, Jan. 3

Annville Young Farmers meeting at 7:30 p.m. at the Annville Cleona High School. Esther Raush, Lebanon County ASCS office, will speak on the milk set aside program.

Wednesday, Jan. 4

York County Dairy Day at the 4-H Center in York.

Lancaster County Tobacco Show from 9.30 a.m. to 4 p.m. in the basement of the Farm and Home Center. Judging begins at 1:30 p.m.

County Board of Agriculture meeting at the Flemington, N.J., Extension Center at 8 p.m.

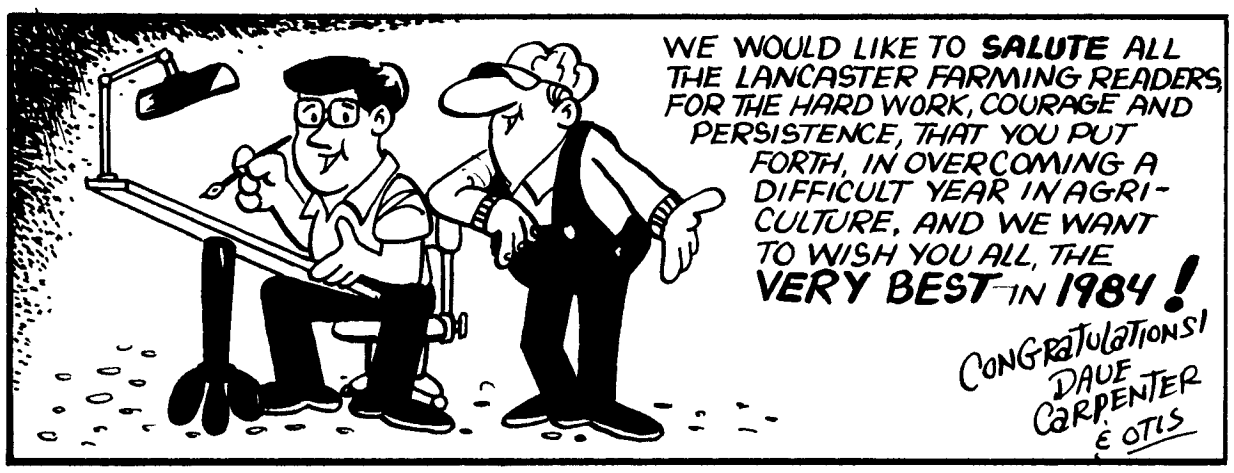
Thursday, Jan. 5

Bradford County DHIA workshop at 12.30 p.m. at the Methodist Church, Columbia Cross Roads.

Fayette County Holstein Breeders meet at the Amedio Restaurant at 7.30 p.m.

Grain Hedging workshop at the Sheraton Inn, Dover, Del. Continues tomorrow.

Otis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Breeding disease resistance into animals progresses

WASHINGTON, D.C. — U.S. Livestock producers lose billions of dollars annually as a result of animal diseases.

In 1980, losses from cattle diseases alone amounted to an estimated $5 billion. This means that feed production from millions of acres of land is wasted; costs of production to farmers and ranchers rise needlessly; and consumers pay higher prices for meat, milk, and eggs at the marketplace.

But reservoirs of disease resistance exist in livestock, just as in plants, awaiting exploitation by animal scientists, according to Terry B. Kinney, Jr., Administrator of the USDA's Animal Research Service.

As an example, a single cow in a herd in France survived an outbreak of foot-and-mouth disease in 1938. Fourteen years later, six descendants of the original resistant cow survived another outbreak that occurred in the same herd.

Such acute diseases as foot-and-mouth disease most reasonable may be countered with a growing arsenal of vaccines. But selective breeding may become an ideal way to protect animals from a chronic disease. Kinney's outlook is that radically new technology emerging from biomedical sciences may provide the means for identifying resistance without exposing the animals to the disease.

Breeding for disease resistance may prove to be a cost-effective counterpart to vaccination for maintaining herd health, says Robert R. Oltjen, director of the Roman L. Hruska U.S. Meat Animal Research Center (MARC), Clay Center, Nebr. The cost of preventing disease by veterinary means alone is rising and is limiting animal production in many areas of the world today.

Oltjen cites research results and trends leading to improved ways to capture disease resistance traits in cattle, swine, sheep, and poultry. He says the rapidly developing field of immunogenics that paved the way for successful organ transplants now offers hope for identifying particular disease resistance in farm animals. This prospect alone could greatly enhance the progress of conventional breeding. But combined with embryo cloning, embryo transplanting, and genetic engineering technologies, the possibilities are even more extensive.

These new technologies will help animal scientists to employ principles used by plant scientists who are quite successful in developing disease-resistant plant varieties. Until now, breeding disease resistance in farm animals has been slowed by generation intervals of up to 5 years.

Here, in digest form, are some points Oltjen makes on trends and opportunities in breeding animals for disease resistance.

Progress is being made with small animals such as poultry. Through breeding and selection, it has been shown that strains of chickens can be developed having genetic resistance to Marek's disease. Genetic resistance to Newcastle disease and pullorum disease also have been demonstrated in poultry.

Notable achievements, although slow in coming, have been made in large animals also: Resistance to mastitis is being used in animal production today, and resistance to tuberculosis is known to be genetically controlled. Studies have confirmed that Zebu cattle are more resistant to tick-borne protozoan infections and high temperatures than are European breeds, adn that genetic resistance is present in cattle against leukosis, intestinal worms, and pinkeye, and in sheep against scrapie and brucellosis.

Scientists are aware of some inherited traits that are associated with resistance to diseases. Other genetic markers may be found. One example: A dark ring around a cow's eye is an indicator of resistance to cancer eye. And several body functions serve as markers or indicators; fever, digestive system enzymes, and tears are genetically controlled and are related to susceptibility.

The likelihood of an animal's succumbing to certain diseases when stressed may be genetically regulated. Scientists at MARC and at several cooperating universities are studying stress in hogs; this and other research on stressed animals may help scientists understand the mechanisms of immunity and divise improved measures for preventing or treating diseases.

Scientists at MARC and Oregon State University are evaluating the heritability of immunoglobulin concentrations in bovine colostrum and blood serum. They are studying the relationships of these fluids to other characteristics including calf survival and incidence of disease and growth rates in beef cattle.

Basic research in immunogenetics is opening frontiers to identifying the genetic complex that regulates the ability of lymphocytes to detect an invasion of bacteria or viruses and launch a counterattack. A further understanding of this phenomenon is an important area of research.

A modern technique for defining single antibodies directed to single sites on antigens—monoclonal antibody technique—has enabled scientists to study this area with more authority than previously. Some of the antibodies are cross-reactive among species, so technology that is perfected for cattle may transfer to other livestock such as swine, goats, or sheep.

In the decades ahead, Kinney says, we may be able to select progeny the day they are born by "interrogating" their cells, in a biological sense, and deciphering their potential for growth, disease resistance, metabolic efficiency, nutritional capacity, and physiological and reproductive ability.

Now is the Time

(Continued from Page A10)

To Understand Firewood Terms

When buying firewood, know the measurements and terminology. Some firewood sellers may offer such measurements as face cord, rick, stack, truckload or pile and buyers often believe they are getting a cord. A "cord" is defined by Pennsylvania law as "the amount of wood which is contained in a space of 128 cubic feet when wood is racked and well stowed." This means a neatly piled rank of wood 4 feet wide, 4 feet high and 8 feet long. Those selling fuelwood are liable under the law when they use the term "cord" alone.

Red meat production

HARRISBURG — Pennsylvania's commercial red meat production for November 1983 totaled 102.7 million pounds, up four pounds from the previous month, according to the Pennsylvania Crop and Livestock Reporting Service.

January-November accumulated red meat production totaled 911.2 million pounds. Cattle slaughter was 86,500 head with an average liveweight of 1,151 pounds, while calf slaughter was 28,200 head with an average liveweight of 168 pounds. There were 295,100 head of hogs slaughtered with an average liveweight of 232 pounds. The number of sheep and lambs slaughtered totaled 11,800 head with an average liveweight of 100 pounds.

Nationally, commercial red meat production during November totaled 3.47 billion pounds, down two percent from the previous month. Beef production totaled 1.9 billion pounds, with a total of 3.1 million head killed at an average liveweight of 1,077 pounds. Veal production was 39 million pounds. Calf slaughter of 294,000 head averaged 229 pounds liveweight.

Pork production during the month totaled 1.5 billion pounds. Hog kill totaled 8.4 million head, with an average liveweight of 246 pounds. Lamb and mutton production was 29 million pounds. Head kill for 528,000 averaged 111 pounds liveweight.

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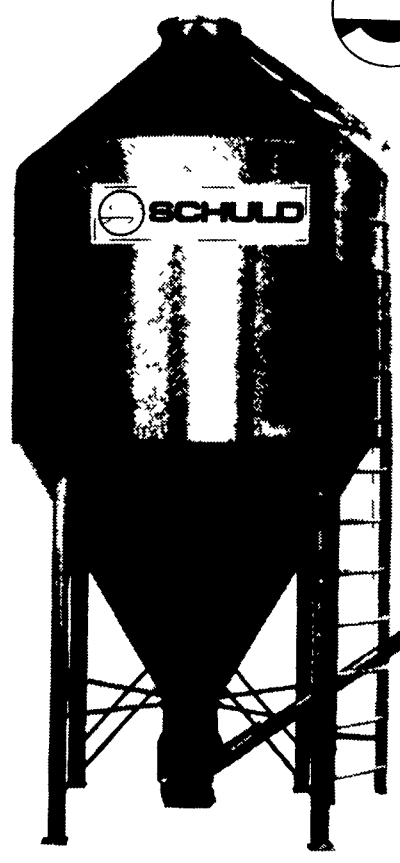

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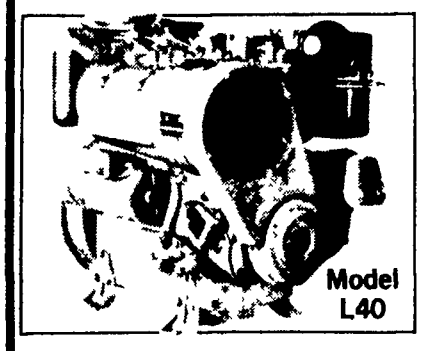
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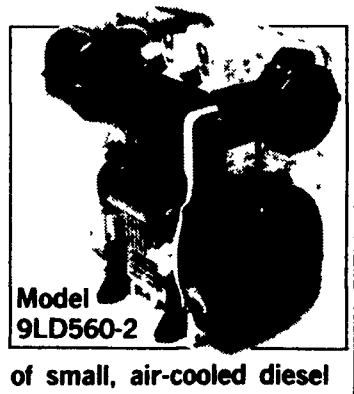
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Livestock market and auction news

St. Louis Cattle

Thursday, December 29

Receipts This Week 2,500:
Week Ago 2,900;
Year Ago 3,500

Compared with last weeks close, slaughter steers 2.00-2.50 higher. Slaughter heifers mostly 1.00 higher. Cows weak to mostly 1.00 lower. Too few bulls on offer to test prices. Slaughter supply mainly choice slaughter steers, around 25% heifers and 15% cows.

SLAUGHTER STEERS: Mostly choice, few prime 2-4 1050-1175 lbs. 66.50, load 66.75. Choice 2-4 950-1200 lbs. 65.00-66.50. Mixed good and choice 2-3 900-1150 lbs. 64.00-65.50. Good 2-3 900-1150 lbs. 62.00-64.00. Mostly good 2-3 1050-1325 lb. holsteins 53.00-59.00.

SLAUGHTER HEIFERS: Mostly choice, few prime 2-4 875-1025 lbs. 64.50-65.00. Choice 2-4 850-1000 lbs. 63.00-64.50. Mixed good and choice 2-3 800-950 lbs. 61.00-63.00. Good 2-3 750-950 lbs. 58.00-61.00.

COWS: (Closing Week Sales) Breaking utility and commercial 2-4 35.00-38.00. Cutter and boning utility 1-2 35.00-38.00. High-yielding boning utility 1-2 38.00-39.00. Canner and low cutter 1-2 32.00-35.00. Shelly canner 1-2 28.00-32.00.

BULLS: Very few YG 1-2 1150-1450 lbs. 42.00-44.00. Individual YG 1 48.00.

Thursday, December 29

Wednesday's weekly sheep auction. Receipts around 130 head. Feeder and wooled slaughter lambs strong in extremely light test. Not enough of any other class to test market trends.

SLAUGHTER LAMBS: Mixed choice and prime wooled 100-125 lbs. 60.50-64.00. 2 packages shorn with No. 1-2 pelts 130-140 lbs. 65.50-67.00.

FEEDER LAMBS: Choice and fancy 70-85 lbs. 54.50-58.00. SM 60.00-64.00; AN 60.00-64.00; SO 60.00-64.00; SP 60.00-64.00.

FEEDERS: (Including about 400 at the regular Thursday auction.) Not enough of any class to test market trends.

FEEDER STEERS: Medium and Large Frame 1: Few 500-1000 lbs. 56.00-60.00.

FEEDER HEIFERS: Medium and Large Frame 1: Few 500-800 lbs. 46.00-53.00.

Weekly Summary

Fri., Dec. 30
Report Supplied by PDA

Markets: 14. Information covers 8 sales prices and headage, plus 6 sales with headage only due to holiday and bad weather.

CATTLE: 5478. Compared with 5595 head last week, and 4012 head a year ago. Compared with last week's market: Slaughter steers strong to 2.00 higher; Sl. heifers .50-2.00 higher; Sl. cows mostly steady; Sl. bullocks steady; Sl. bulls unevenly steady. Sl. steers: High Choice & Prime No. 3-4, 67.00-72.75; Choice No. 2-4, 65.00-71.00; Good 60.00-66.00; Standard 55.00-60.00. Sl. heifers: Choice 60.00-64.75; Good 56.00-62.25; Standard 50.00-55.00. Sl. cows: Commercial 37.00-41.50; Cutters 33.00-37.50; Canner & L. Cutter 28.00-35.00. Sl. bullocks: Choice 59.10-65.10; Good 54.00-59.00. Sl. bulls: Yield Grade No. 1, 1000-2400 lbs. 45.00-54.75; Yield Grade No. 2, 900-1500 lbs. 40.00-50.00.

CALVES: 3020. Compared with 4111 head last week and 2512 head a year ago. Vealers uneven, mostly 2.00-5.00 higher. (few) Prime 98.00-118.00; Choice 87.00-101.00; Good 70.00-85.00; 110-130 lbs. 50.00-71.00; 90-110 lbs. 45.00-55.00; 65-90 lbs. 35.00-47.00; Utility 50-110 lbs. 28.00-35.00.

FARM CALVES: Hol. Bulls 90-135 lbs. 60.00-113.00, mostly 80.00-100.00; few Hol. Heifers 90-140 lbs. 49.00-60.00.

HOGS: 5786. Compared with 8868 head last week and 5759 head a year ago. Barrows and gilts mostly 2.00-3.00 higher. US No. 1-2 200-245 lbs. 53.00-55.75 No. 1-3 200-250 lbs. 51.00-54.00; No. 2-3 200-280 lbs. 50.00-53.00; Sows US No. 1-3 300-585 lbs. 40.00-44.00; No. 2-3 300-650 lbs. 32.00-40.00. Boars 31.00-33.25.

FEEDER PIGS 1014. Compared with 1273 head last week and 908 a year ago. Feeder pigs mostly steady. US No. 1-3 20-35 lbs. 8.00-20.00 per head; No. 1-3 35-50 lbs. 20.00-35.00; No. 1-3 50-85 lbs. 35.00-45.00.

SHEEP: 799. Compared with 2083 head last week and 427 head a year ago. Steady to weak. Choice 80-110 lbs. 58.00-70.00; Good 50-80 lbs. 42.00-52.00; Utility 40-50 lbs. 30.00-32.00. Sl. sheep: 10.00-26.00.

2 GRADED FEEDER PIGS SALES: 1767. Compared with 2040 head last week, and 2133 head a year ago. All sales by CWT. Feeder Pigs uneven, extremes 7.00 higher to 7.00 lower. US No. 1-2 25-40 lbs. 71.00-84.00, few 15-25 lbs. 104.00-107.00, 40-50 lbs. 60.00-82.00, 50-60 lbs. 51.00-71.00, 60-70 lbs. 53.00-60.00; US No. 2-3 30-40 lbs. 53.00-75.00, 40-50 lbs. 60.00-65.00, 50-70 lbs. 44.00-61.00.

Lehigh ASCS groups named

ALLENTOWN — The Lehigh County ASCS county and community committees for 1984 have been selected, according to Michael Macker, Lehigh ASCS executive director.

Clarence Weida is serving as chairperson of the county committee. Other members include Dennis Trexler, vice chairperson; Frederick Frantz, regular member; Roma Loch first alternate; and Clark Bittner, second alternate.

Community committee members include:

Community 1 - Hanover, Whitehall, N & S Whitehall Townships Harold Remaley Chairperson Hubert Sell Vice Chairperson Ernest Geiger Regular Member, Donald Bachman First Alternate

Community 2 Washington & Heidelberg Richard Bachman, Chairperson, Donald Fink Vice Chairperson, Leon Turner Regular Member, Wilmer Dise, First Alternate Nathan Bachman Second Alternate

Community 3 - Lynn Township Henry Kohler Chairperson, Lester Loch, Vice Chairperson, Clark Bittner Regular Member, Ralph Dietrich First Alternate Paul Zimmerman Second Alternate

Community 4 - Lowhill & Welsenberg Townships Roma Loch Chairperson, Raymond Kressley Vice Chairperson Bruce Chattin Regular Member Stewart Bear First Alternate, Dale Dengler Second Alternate

Community 5 - Upper & Lower Macungie Gerald Hunsicker Chairperson, Arlan Seidel Vice Chairperson, Dennis Schaffer, Regular Member, Lester Schantz, First Alternate LeRoy Kidd, Second Alternate

Community 6 - Upper & Lower Milford, Salisbury, Upper Saucon Franklin Lichtenwalner, Chairperson LeRoy Stahler Vice Chairperson, Ralph Urmy, Regular Member, Keith Hausman First Alternate, Julia Kyner, Second Alternate

Roll Your Own Logs

NEWARK, Del. — If your woodpile is getting low, chances are there's a supply of fireplace fuel conveniently delivered to your door each day. Delaware Extension Garden and Home Improvement Agent Willie Adams says newspaper logs are a good alternative to firewood.

As a source of energy, newspaper logs are almost as efficient as the real thing and the price is right. Even a skinny edition will make one log, while a Sunday paper could furnish six or seven.

Rolling newspaper logs is easy, but messy. Wear old clothes and rubber gloves. Adams says it's best to work in a basement or garage.

Dissolve three-fourths cup of laundry detergent in a laundry tub full of water. Divide the newspaper into sections about half an inch thick, and fold them into half-pages of 12 by 15 inches. Soak the paper in the detergent solution for a few hours or overnight. The detergent will help the paper absorb water and reduce the amount of fine ash. (Note: It's best not to do this job in a bathtub; the newsprint will leave a mess.)

When the paper is well soaked, roll each section, one after the other, around a broomstick or other thin rod. Squeeze out the excess water as you smooth the surface. Then slide the rolls off the rod and stand them on end to dry, tipping them a bit to allow air to circulate inside.

The logs should be about 12 inches long and two to four inches in diameter, Adams says. They are ready to burn when they are completely dry. This could take a few days, or a couple of weeks for thicker logs. Each log will burn at least half an hour, depending on thickness.

Rolled-up newspapers aren't as glamorous as big oak logs. But when they're blazing in your fireplace, you won't know the difference.

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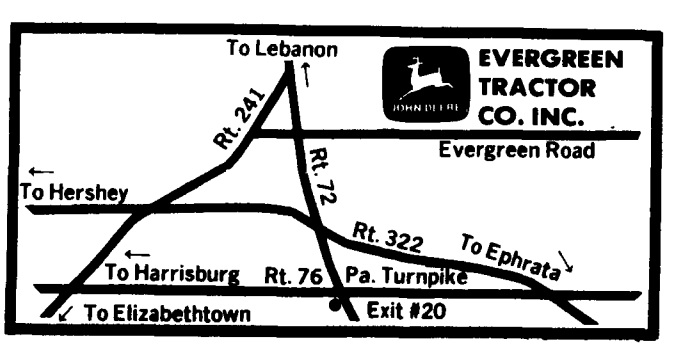

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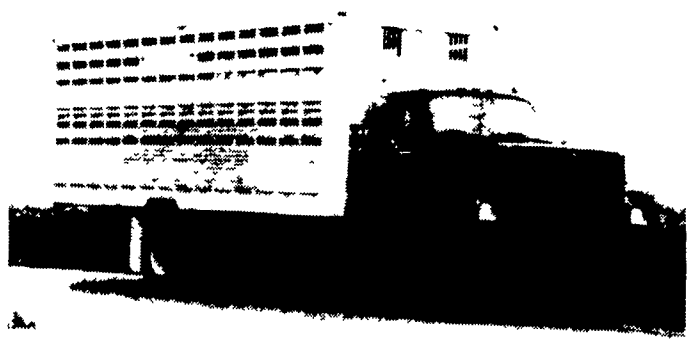

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Residue testing explained

NEWARK, Del. — The amount of pesticide left on a target plant after application is the deposit. If the deposit remains on the target for a period of time after application, it becomes a residue. From the standpoint of pest control, a long-lasting residue is desirable. But this becomes a problem when crops are harvested for consumption. How is their safety ensured?

To make sure any residues which remain are well within safe limits, the Environmental Protection Agency, manufacturers and independent research contractors (including universities and private laboratories) conduct rigid tests on all pesticides which are intended for use on food crops, says University of Delaware extension entomologist Mark Graustein.

Individual pesticides are administered in decreasing doses to test animals until they have no measurable effect of any kind. "Residue equipment now is so sophisticated," he says, "that it can actually detect parts per billion and — in some cases — parts per trillion." The level at which no further effects can be measured (in terms of milligrams, kilograms or parts per million of test animal body weight) is called the No Observable Effect Level, or NOEL.

Once the NOEL is determined, it is divided by a safety factor. The magnitude of this factor depends on the pesticide's relative toxicity to human beings, Graustein says. It may be as low as 10 for compounds which affect test animals and humans in a similar fashion, or as high as 2,000 for those which are particularly toxic to people. The value obtained by dividing the NOEL by the safety factor is then multiplied by 60 (since the average person weighs 60 kilograms or 132 pounds). This gives the safe amount of a particular pesticide that may be consumed each day.

Finally, says Graustein, the EPA determines what percentage of the average daily diet a given food might represent. The total of all residues, including those on foods having the same residues, cannot exceed the safe daily dose for a given pesticide or for the combination of all pesticides.

"While this sounds ominous," the specialist says, "if you were to put the pesticides that do occur on your plate alongside your food, they'd amount to little more than a speck — about one-millionth of a gram at most. This is well below the danger level."

York Dairy Days

YORK — The York County Extension Service will try something new this year by conducting two Dairy Days. The first will be on January 4th at the 4-H Center.

The new dairy program and how it will affect dairymen will be discussed by Jack Kirkland, Penn State University Milk Marketing Specialist.

"Computers: The Management Tool of the Future" will be the subject of a presentation by Jud Heinrichs, Penn State Extension dairy specialist.

Shannon M. Neumann, York County Agent, will be presenting some information on calf and heifer management.

Registration is being requested by calling 717-757-9657.

On February 16th, York County will have another Dairy Day. It is in cooperation with Atlantic Breeders. The programs to be presented are on milk quality with Sid Barnard and nutrition with Dick Adams, both are dairy specialist with Penn State Extension. More information on the second Dairy Day will be available later.

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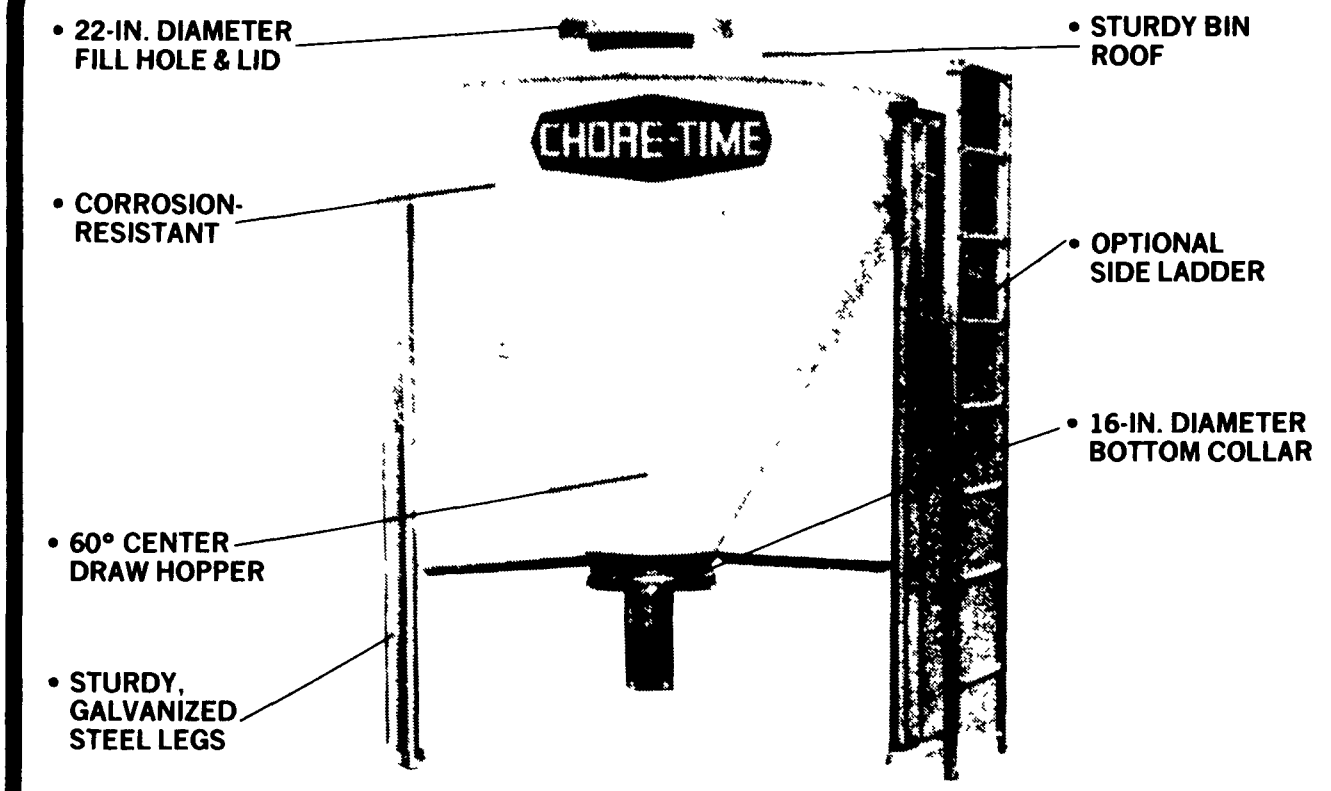
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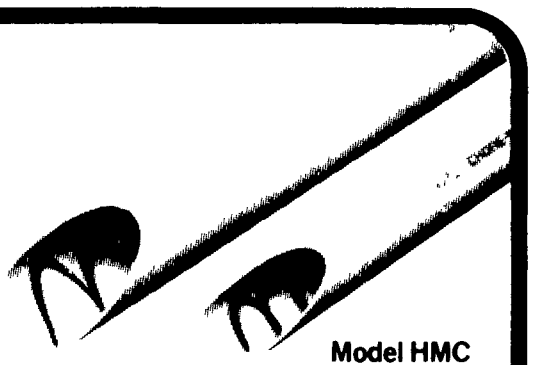

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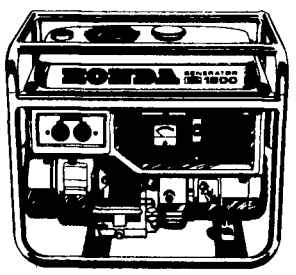

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Hoffman transferred

CHAMBERSBURG — David T. Hoffman, Soil Conservation Technician with the Franklin County Soil Conservation Service, will be transferring to Nanticoke on Jan. 23 to fill the opening at the Luzerne County office.

Hoffman has worked in Franklin County for the past five years with SCS and assisting the Conservation District on conservation problems. Hoffman said that he will still be working in the agriculture field but also will be assisting with strip mine reclamation and resource conservation development (flood control) projects in Luzerne County.

While in Franklin County Hoffman worked with many landowners and local government officials with erosion and conservation problems. He also worked with some somes on conservation education and land judging contests.

There has not been a replacement named at the present time, according to Hoffman, but a new soil conservationist will be coming in early January. Hoffman also commented that John Akers, District Conservationist and supervisor for the county, still will continue to work closely with the county landowners as in the past years.

Hoffman was also active in the community as a member of the Fayetteville Volunteer Fire Department and was the Ambulance Sergeant for 1983 for them. Hoffman has been a firefighter since coming in Chambersburg in 1979 from Altoona.

Potato yield down

HARRISBURG — Pennsylvania's 1983 potato production is estimated at 4,300,000 hundredweight (cwt.), a 25 percent decrease from the production in 1982, according to the Pennsylvania Crop and Livestock Reporting Service. Acreage harvested is estimated at 21,500 acres compared with 23,500 acres harvested in 1982. Average yield of 200 cwt. per acre is 45 cwt. below last year's average yield.

Total potato stocks stored in Pennsylvania on December 1, 1983 totaled 3,400,000 cwt., 26 percent less than a year ago. Of this amount, 1,380,000 cwt. was stored in processor's facilities. This represents 41 percent of total stocks.

Stocks are defined as the quantity remaining in storage for all purposes and uses, including shrinkage and waste and other losses that occur after the date of each report. Stocks may also include potatoes produced in other states and potatoes already sold. Sales of fall potatoes for all purposes generally account for about 90 percent of the total fall production. Shrinkage, loss and home use account for the remaining ten percent.

Production of fall potatoes in the United States is estimated at 288 cwt., down six percent from last year and three percent below two years ago. Harvested area totaled 1.06 million acres, down three percent from last year but fractionally above 1981. The average yield of 272 cwt. per acre fell 11 cwt. from last year's level and nine cwt. below 1981.

December 1, 1983 United States potato stocks totaled an estimated 187 million cwt. for the 15 states in the stocks program. This is down nine percent from last year and three percent below 1981. Of the total stocks in the 11 objective yield states, 72 percent were russets, 24 percent whites, and four percent reds.

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Reducing farm sales of milk

Editor's Note — This article was written by Richard S Adams, Penn State Professor of dairy science.

UNIVERSITY PARK — It is important for a dairyman to determine how he might reduce milk sales on his farm to qualify under the milk diversion program. This needs to be done to determine the economic feasibility of entering the program. In addition the methods to be used in attaining the reduction in milk sold must be given when applying for the program.

Several methods are presented here for consideration. Some allow for greater control of production or sales than others. It is difficult to assess the production response of cows under a wide range of farm conditions or to precisely indicate the degree of risk involved with some methods. In some cases a combination of methods may need to be employed to attain reduction goals.

Culling of producing cows

This provides the dairyman with one of the more precises methods of reducing production. It also provides him with a means of maximizing savings in production costs. This is particularly true when forage and grain supplies are lacking due to drouth or limited crop acres.

Since cows culled frequently are not producing at herd average, one usually must cull more cows than the reduction desired would indicate. Perhaps 20% of the cows in a herd may need to be culled to obtain a reduction of 15% in milk yield. Cows that have staph infections in the udder or have serious foot or leg problems make good candidates for culling. Likewise cows that are problem breeders and must stand dry for a long period should be considered for culling. Dairymen who are not enrolled in a production testing program should weigh milk from cows to obtain an indication of their production level for use in culling. A poorer alternative might be to cull on the basis of days fresh, as discussed under premature drying off.

Savings in forage which may accrue from culling cows may need to be discounted, if it is largely in a non-saleable form such as silage in some areas. It may not generate any cash income on some farms, but could contribute to an increased inventory. Dry grains and sometimes in high-moisture grains can be marketed.

Premature drying-off

If it does not appear to be in the best interest of the dairymen to cull cows or culling schedules under the diversion program are too tight, other methods must be explored to reduce milk sales. One of these is drying cows off sooner than usual. This enables one to harvest normal levels of milk during the flush of production. Then cows may be dried off at the end of 180 days to obtain a 30% reduction or about 235-240 days for a 15% drop in production.

All concentrates may be removed from the ration and forage fed in limited amounts for several days to reduce production. Then most cows could be dried off by complete cessation of milking. A dry-cow infusion product should be given at the last milking to protect against mastitis during the dry period. Savings in feed costs may result from less concentrate being fed and a reduction of 10-30% in forage feeding which often is possible during the dry period.

Decreased concentrate feeding

It is difficult to predict how much an across-the-board cut in concentrate intake may reduce milk flow. This stems from a tendency to overfeed concentrate in many herds and the tremendous will of today's cows to produce in early lactation. Further, it is important to maintain good health and reproduction if cows are not to be culled. Thus it is recommended that any reduction in concentrate feeding be considered only after the cow has been fresh for 120-150 days and is safe with calf. Then the amount of concentrate fed may be reduced by 50 to 60%. This generally will result in a substantial decline in production, compared to an unpredictable one if it is done earlier in the lactation. A drop in production of 10-20 lb per cow may result. Both the level of concentrate feeding and the number of cows with curtailed concentrate intake can be used to obtain desired reductions in production.

Since it is difficult to maintain health and fertility on a ration that is not properly balanced it is recommended that proper levels of protein and mineral supplementation be used during the first 4 to 5 months of the lactation. This also will enable more efficient production of milk during the flush of lactation. Feed savings are largely limited to less concentrate intake. Forage intakes may increase somewhat as cows compensate for less concentrate intake.

Vealing calves

It takes about 10 lb of milk to obtain 1 lb of gain on a calf. Thus a large-breed calf fed to 200 lb of bodyweight will require about 1000 lb of milk. A vealer fed to 300 lb may need 2000 lb of milk etc. Veal calves generally are fed milk at the rate of 10% of bodyweight, adjusted on a weekly basis. Unless extra magnesium oxide is fed in the milk and an injectable selenium and vitamin E preparation is used, calves should be raised only to 180-220 lb weights to avoid problems related to these nutrients.

Vealing of male calves born in the herd can reduce milk sales considerably. Preferably they should not be fed any forage and be bedded only on straw, shavings or sawdust to avoid discounts for red-cutting meat. If calves are purchased for vealing, the utmost care must be taken to avoid disease problems. Preferably they should not be in a separate facility to isolate them from replacement calves.

Replacement calves

Considerable amounts of milk may be diverted from market if replacement calves are raised on whole milk rather than milk replacer. Calves may be fed milk at a level equal to 10% of their birthweight daily for as long as 8-10 weeks. For example a Holstein calf weighing 100 lbs at birth could be fed 10 lbs of milk daily for 8 weeks. This would remove 560 lb of milk from the market and reduce purchased feed replacer costs. Forage and concentrate also should be provided to enable rumen development.

Milk feeding of cows

Some inquiries have been received about this possibility. We know of no studies or experience with this. Skimmmilk, however, has been fed to cows in past years. It was not relished, unless it was mixed with concentrates at the rate of about 2 lbs of skimmilk per lb of concentrate fed. Possibly cows might consume appreciable quantities of milk from a tank, if it were acidified or "preserved" with an organic acid, such as propionic, used at a 1% level. When liquid whey has been tanked to cows, intakes have approached 40 to 90 lb per head daily without appreciable adjustment in rations. Milk contains about 12.8% dry matter. It has a relatively high content of protein (25%) and fat (29%) on a dry matter basis. Thus some savings in concentrate costs could result, if cows drank an appreciable quantity of milk. Penn State dairy specialist would appreciate learning of any experiences with this approach.

Regardless of methods used, it is important to thoroughly study the economic impact of any diversion on both a short-run (15 months) and long-run basis (27 months or more). This needs to be done on an individual farm basis using work sheets, computer programs etc. that are available to dairymen from various sources.

Winter is Fixit Time

NEWARK, Del. — There's a cold wind blowing, the clouds are dark and heavy, and every now and then a snowflake flashes past the window. Typical winter weather. And a tempting time for a farmer to say, "Today I think I'll just sit back and relax by the fire, and work on my equipment later."

Farming is full of pitfalls — many of which can't be prevented. But a good manager can take steps to avoid production problems during the growing season, and winter's a good time to do so, says University of Delaware Extension Agent Dean Belt.

"I'm talking about equipment maintenance, repairs, storage and alterations," he says. "I'm talking about being ready to go out next spring when the time is right for planting, without having to wait for a part you forgot to order, fix a pump that's frozen up, or alter some machinery you planned to tend to but put off and then forgot."

Many ideal planting, plowing, spraying or harvesting days are lost because equipment's not ready, Belt says "As a county agent I've seen this happen. Breakdowns can't be completely avoided, but if something was broken six minths ago, it could have been fixed and ready by spring. Now's the time to make those changes you were planning, too, such as putting drop nozzles on the sprayer or building that wick applicator you've always wanted Or maybe you've intended to attach spray nozzles to your corn planter so you could spray and plant in one operation next spring."

Before setting down too comfortably by the fireside, take a mental inventory, he advises. Was equipment stored in good condition? Has it been greased, cleaned and repaired? Do parts need to be ordered? Some may take weeks to get here

"Did you clean that grain drill, or will it be full of germinated seed the next time you pull it out of the shed? And how about your sprayer?" asks Belt. Drain and clean the tank and lines, clean and soak the screen and nozzles in light oil. Cover nozzle openings to keep dirt and insects out of the lines And protect the pump by draining, cleaning and filling it with antifreeze.

"I know it's easy to sit here and give you a list of things to do That could be endless," he says "But be honest with yourself and think back. Haven't you gone to do a job and found something wrong that you forgot to fix when you had time during winter? Making changes and repairs now just might save your hours or even days next spring when conditions are ready and you're still waiting for parts Winter is the time to prepare for spring"

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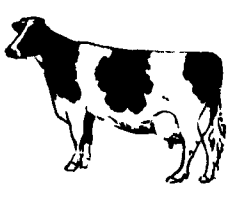

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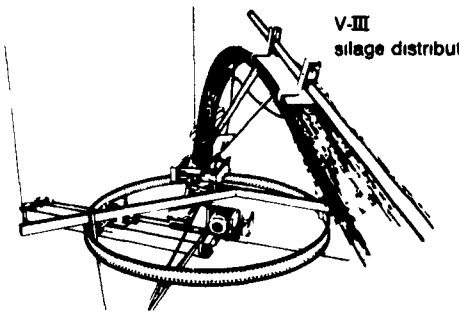

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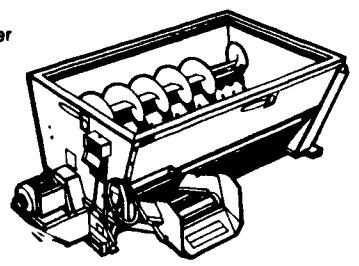

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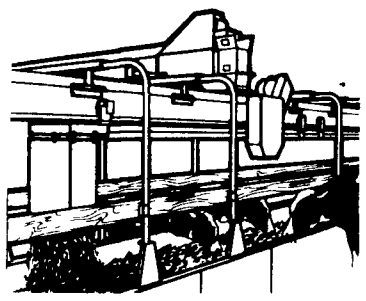

Volume Belt®
cattle feeder

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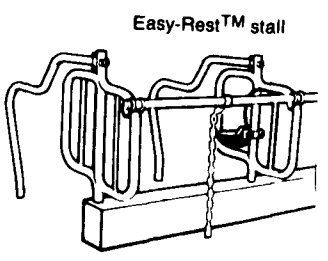
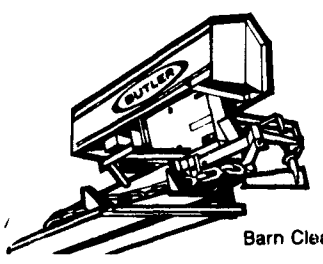
ventilation



Easy-Rest™ stall



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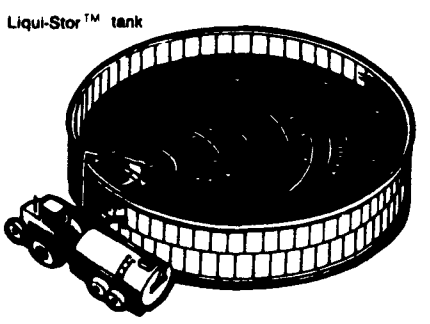
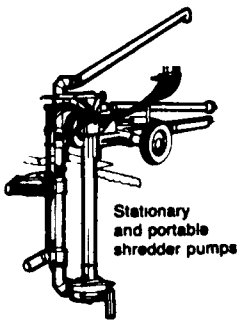
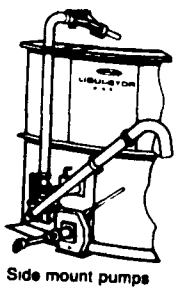


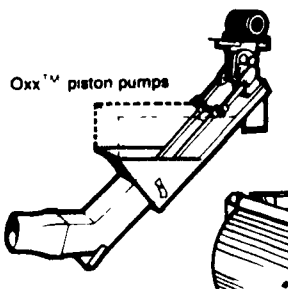
Liqui-Stor™ tank



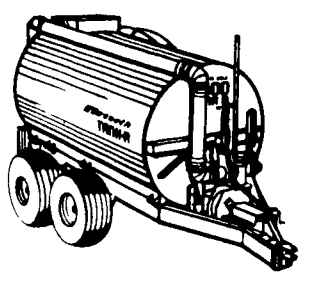
Stationary and portable shredder pumps



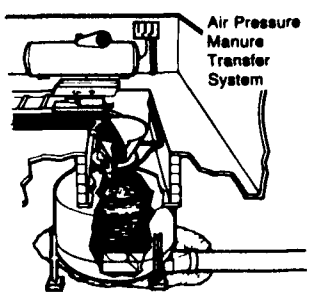
Side mount pumps



Oxx™ piston pumps



Tank-R™ spreader



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Pennsylvania's newly-crowned alfalfa

BY TRISH WILLIAMS

ANNVILLE — Lebanon County dairyman Donald Hoffer can be characterized by such words as, easygoing, jovial and conciliatory, that is unless one is talking about his attitude toward growing alfalfa, then words like uncompromising, persistent and stickler would be more appropriate.

Hoffer's strict attention to details when it comes to growing alfalfa not only produced an abundant crop for him this year, it also yielded him the title of Grand Champion Alfalfa Grower for Pennsylvania.

Hoffer was crowned the Grand Champion Alfalfa Grower November 19th at the Forage and Seed Conference held at Penn State. But it was year-round efforts by the husband-wife team of Don and Sherry Hoffer that made the winning possible.

Sher-Don Farms immediately strikes one with a definite sense of order Things are clean and neat, nothing seems to be out of place One could spend all day just trying to find something askew, a baler twine tossed casually about, a misplaced tool. Even the farm dog, Taffey, seems to know just where to sit to lend living credence to the old adage "a place for everything, and everything in its place."

It was just over 17 years ago when the Hoffers began dairying on a rented farm. Looking back they recall, it was a time that was difficult for dairymen, too. The received little positive encouragement for getting started, particularly from farm lenders. Their determination then and now attributes to their success.

Sher-Don Farms

Sher-Don Farm near Annville, home of Don, Sherry, Kent and Kristen Hoffer.

Champion Alfalfa Grower

Honored as the 1983 Champion Alfalfa Grower, Donald Hoffer stands amidst the 6000 bales of alfalfa hay he put up this summer.

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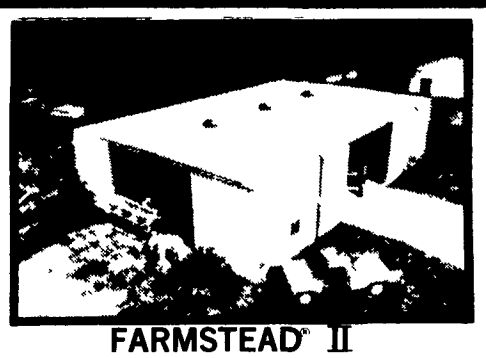
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Over the years Don and Sherry have worked out a division of labor between them that follows their own areas of special interest. Don enjoys working with field crops and machinery, and so concentrates his time and efforts along those lines. Conversely, Sherry prefers assuming the responsibility for herd management, and oversees the feeding and breeding programs. Even their children, Kent, 13, and Kristen, 10, have specific duties Kent and Kristen's charge is raising the calves.

A certain synergism arises out of this specialization, making the overall farming operation stronger and more efficient.

Pride and sense of accomplishment spurs each family member to be aggressive and innovative in order to achieve better results from their work. Still this family of strong faith does not claim to be totally responsible for the outcome of their endeavors

"We started with nothing," said Hoffer, "and we have never had a crop failure. God gives the increase."

Even in this year of drought Hoffer reaped a bountiful crop. Hoffer's prize winning field yielded a total of 9.2 tons of hay equivalent per acre, with 3328 pounds per acre of crude protein and more than 9500 pounds of total digestible nutrients

The stand of Dekalb 130 alfalfa was established in 1982 on Hagerstown-Duffield soil He took off four cuttings, the first on June 1 for haylage and the remainder on July 7, Aug. 15 and Sept. 29 for hay

He attributed much of his winning yield to fertiliztion with large amounts of manure particularly during the corn phase of the crop rotation

Hoffer follows a rotation schedule of small grains, followed by soybeans, followed by corn, then after manuring all winter he plants alfalfa in the spring. With a disk, he incorporates a starter fertilizer, insecticide, and a herbicide Then he seeds 22 pounds of alfalfa seed per acre with a Brillion seeder

"As a general rule," said Hoffer, "we try to put the first and fourth cuttings from our 50 acres of alfalfa in the silo. The second and third cuttings are harvested for hay."

"If there is one thing Don can't stand, it's weeds in his alfalfa," Sherry offered

For this reason Hoffer spray his alfalfa stands with Princep, a herbicide, late in the fall when the alfalfa is dormant Hoffer claims this prevents weeds that would normally be in the first cutting from growing

Hoffer soil tests his alfalfa fields after the third cutting has been harvested He applies fertilizer according to the soil analysis after

(Turn to Page A22)

'Cake Baker'

Sherry Hoffer mixes the concentrate for each cow individually from this custom designed feed cart. The four small containers on the side of the cart contain vitamins and minerals, which are added to the rations of high producers.

Feeding haylage

From a motorized cart, Hoffer feeds out his high quality haylage to anxiously awaiting cows.

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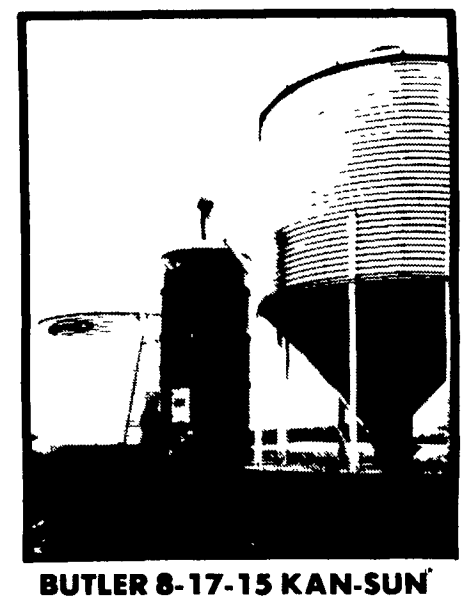

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Del. honors Extension personnel

NEWARK, Del. — University of Delaware extension agronomist William H. Mitchell received the coveted Distinguished Service Award from fellow workers during the Delaware Cooperative Extension Service's annual conference in Rehoboth Beach earlier this month.

Also honored were New Castle County extension home economist Deborah Amsden (outstanding new agent); urban 4-H agent Mark Manno (outstanding program accomplishment); and photographer Duane Perry (outstanding extension staff).

Mitchell, who retires today after more than 35 years of service, has been associated with many extension programs for farmers, including the Greener Pastures forage program in the 1950s and, more recently, the First State Irrigation Project. He also has been a leading advocate of no-till crop production practices and helped provide the data on which the state's present guidelines for growing no-till corn are based.

Since she joined the University of Delaware Extension Service in 1981, Amsden has organized and presented consumer programs on many topics, ranging from microwave cookery to tailoring. In cooperation with a local clergyman she also established support groups for families caring for aging parents.

Manno was recognized for his innovative efforts to bring 4-H to urban New Castle County youth through such events as a summer day camp at the University's College of Agricultural Sciences involving mini-courses taught by faculty and staff on such subjects as insect collecting, egine repair, photography and sheep shearing. He also is responsible for establishing a 4-H club at Ferris School for Boys.

Perry, who works in the agricultural editor's office at the university, provides photographic services to extension professionals throughout the state.

Honored for their Delaware Extension achievements by fellow professionals were, from left, photographer Duane Perry (Outstanding Staff Award), agronomist William Mitchell (Distinguished Service Award), 4-H urban leader Mark Manno (Outstanding Program Award), and county extension agent Deborah Amsden (Outstanding New Agent Award).

Maple meeting on Jan. 23

HONESDALE — The annual maple meeting sponsored by the Northeast Maple Producers will be held Jan. 23 from 10 a.m. to 3 p.m. at the Pleasant Valley Grange.

Program content will include a slide presentation on recent maple visits to Lake Placid, N.Y.; Burlington, Vt. and Small Brothers Factory, Quebec, by James Finley, Penn State Extension Forest Resource Specialist. A short movie on maple syrup making in Minnesota and a short presentation on improvement and quality of syrup through use of the hydrometer and grading will also be demonstrated.

A delicious lunch of pancakes, home fries, sausage, eggs, and pure maple syrup will be served by the Pleasant Valley Grange ladies. Advanced registration required by no later than Friday, Jan. 20. Price remains at $3.75 per person. Tickets are available at the Wayne County Extension Office at 717-253-5970 ext. 114.

The Northeast Maple Producers now have their prices prepared for the 1984 sugar bush season. Bacon, Kress, and the State cans are available at discounts for association members. Address labels and grade labels can also be obtained through the association. Orders must be placed by no later than Jan. 23, 1984. For more information, contact the Wayne County Extension Office, Courthouse, Honesdale.

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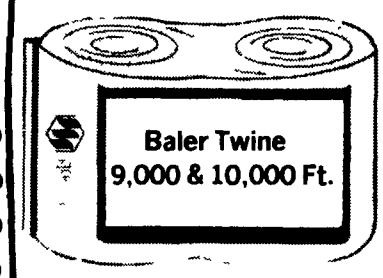

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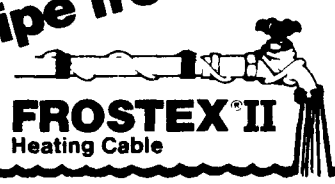

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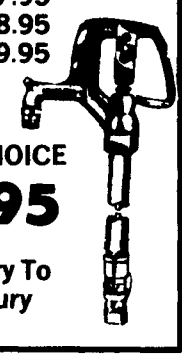

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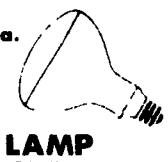

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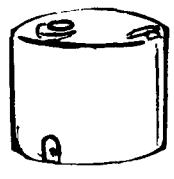

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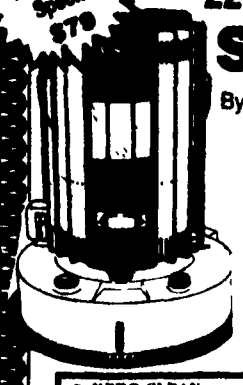

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Franklin dairy day slated

KAUFFMAN STATION — The Milk Diversion Program and its provisions will highlight this year's annual Franklin County Extension Dairy Day on Tuesday, Jan. 3, at Kauffman's Community Center, Kauffman Station.

Jack Kirkland, PSU Extension Milk Marketing Specialist, along with A.S.C.S. representatives will explain how the bill will work. Information will be provided to help dairymen decide on their individual course of action.

The ever popular area of mastitis control will be looked at by Penn State Specialists Steve Spencer and Dr. Larry Hutchinson along with Dr. Alan Oliver from the Greencastle Veterinary Hospital. Robert Graves, PSU Extension Agricultural Engineer, will round out the program with a presentation on ventilation and free stall design considerations for dairy cattle.

Jack Kirkland

Businesses that work with dairymen are co-sponsoring the event by having displays at the meeting. Dairy Day begins at 9 a.m. with adjournment set for 3 p.m. All interested persons are invited to attend. Further details can be obtained by contacting the Franklin County Cooperative Extension Office at (717) 263-9226.

N.J. plans Dairy Goat Binge

BRIDGEWATER, N.J. — The Garden State Dairy Goat Association will sponsor its Second Annual Dairy Goat Binge in celebration of N.J. Farmer's Week on Saturday, Jan. 28. This will include a full day of dairy goat related activities.

At 9 A.M. ADGA Judge Ann Miller will lead a Pre-Pre Training Conference at the Somerset County 4-H Center located on Milltown road in Bridgewater, N.J. This will include an informative presentation on Dairy Goat conformation and judging.

The next event will take place at the Ryland Inn located on Rt. 22 West in Whitehouse, N.J. A luncheon featuring guest speaker George Haeble of Ohio State University is set a 1 p.m.

The luncheon will include turkey, vegetables, cranberry sauce and pie. The luncheon only will cost $8.50. The morning program will cost $3 for young people 18 and under and $4 for those over 18. If you plan to attend the morning and afternoon programs the cost will be $11 for the whole day.

Persons interested in attending the luncheon should call Linda Sabia (201) 832-5383 by Jan. 15. Seating at the luncheon will be on a first come first serve basis.

Gail LeCompte is this year's Farmer's Week Representative and chairman for the day's activities.

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The staff at Farmer Boy Ag wish you health, happiness and prosperity.

Sincerely,
Leon, Larry & Dale

Pa. Alfalfa champ

(Continued from Page A19)

the last cutting has been taken off in the fall.

What Hoffer harvests for all this effort is high quality forage, the basis of ration fed to the Sher-Don herd. Analysis of this year's haylage on a dry matter basis reported, 19 percent protein, 14.7 percent digestible protein and 57.7 percent total digestible nutrients.

The haylage is stored in a 20 X 60 Harvestore, no nutrients or preservative are added. Don estimates he put up over 350 tons of haylage this year.

Over 6000 bales of hay were also put up. Some of the hay was treated with a preservative because the moisture content was over 20 percent when it was baled. Hoffer plans to sell 2500 bales of the alfalfa hay later in the spring when he is sure he has met his herd's need,

The herd receives no corn silage All roughage is provided by five pounds of alfalfa hay per day and haylage.

Sherry balances the ration according to analysis of the haylage

"We have the haylage analyzed every three or four weeks," said Sherry. "We like to test this frequently because we may be feeding out a different cutting by that time. There can be a fair amount of variation in the haylage depending on the field and cutting.

"We gets two analysis done, one by Pennfield and one by Harvestore," she continued. "We take an average between the two and balance the ration according to the average. We work closely with representatives from both companies "

To balance the ration Sherry feeds high moisture corn for energy, cooked and rolled soybeans for energy and protein, and for protein she feeds Pennfield 14 percent protein concentrate

Also a stickler for details Sherry mixes the ingredients of the concentrates for each individual cow. She has designed her own feed cart to meet this need The cart is divided into two main sections, one for soybeans, one for corn. Hanging on the side of the cart are four small containers for vitamins and minerals

Each month when the DHIA report comes, Sherry adjusts the concentrate mixture individually for every cow. High producers and open cows are given an additional 1.0 to 1.5 oz. of phosphorus. A high stress vitamin mix and trace mineral salt are also given on an individual basis according to need.

' I've gotten teased by a lot of dairy farmers about mixing the concentrate," said Sherry. "They kid me that I'm baking a cake. But I think it is the best way to meet the needs of each cow."

The herd averages 18,645 pounds of 3 7 test milk, with 694 pounds of fat, and 613 pounds of protein All but four of the cows are registered

Sherry is responsible selecting sires that are used in the herd, making heavy use of Chairman, Sexation and Bell. In two years the herd will be entirely homebred.

She has set her sights on having all registered cattle, and looks forward to the day when the herd average will top 20,000 pounds of milk

By assuming responsibility of a specific area of concern on the farm and then working with pride and determination towards goals fixed firmly in mind, the Hoffers are meeting their goals and setting new ones

Dennis Hoke, right, Lebanon County agricultural agent, presented Don and Sherry Hoffer the Grand Champion Alfalfa Grower Award on Nov. 19 at the Forage and Seed Conference in State College.

Taffey, the family dog stands in the alfalfa field that produced the winning 9.2 tons of hay equivalent.

Kent and Kristen Hoffer have charge of feeding calves. Both are members of NoSoAnn 4-H Club. This year Kent's 2-year-old cow placed third in milk production competition. At 10 years old Kristen has already become an excellent showman, winning the reserve champion showman at the Lebanon 4-H show.

Timber workshop set Jan. 14

MT. PLEASANT, Del. — The University of Delaware Cooperative Extension Service and the State Forest Service will hold a timber sale workshop Saturday, Jan. 14, from 8:45 a.m. to noon at Townsend's Inc. at Mt. Pleasant (intersection of Mt. Pleasant Road and Route 896).

Purpose of the workshop is to help woodlot owners recognize the potential value of their trees.

"Anyone interested in this subject is welcome to attend," says extension county agent Dean Belt. "It should be a worthwhile and interesting meeting. Our forests are a valuable resource which must be managed wisely and harvested properly. There's a right way to take the wood, and help is available to learn how. Please join us and bring any interested friends."

For further information, contact Belt at 451-8934 or 738-2506.

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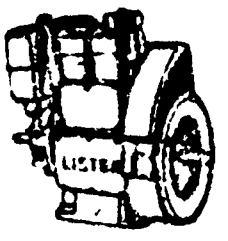

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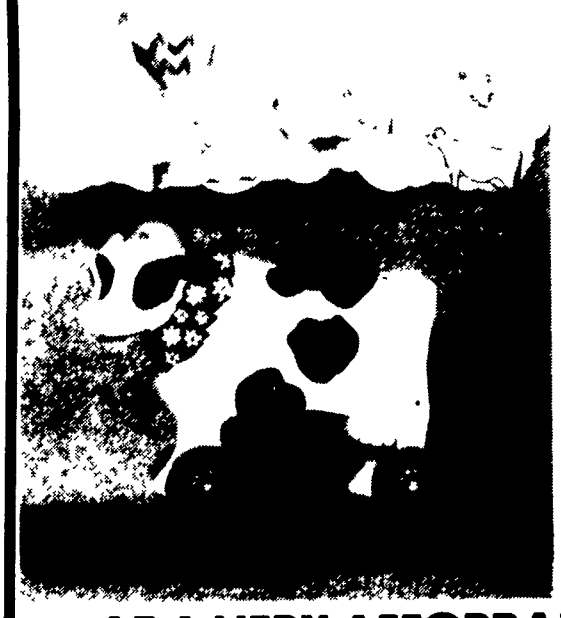

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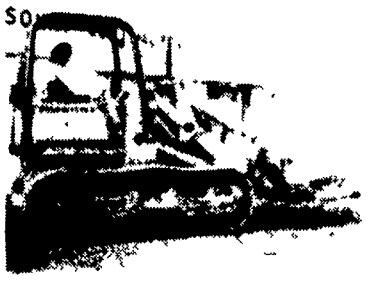

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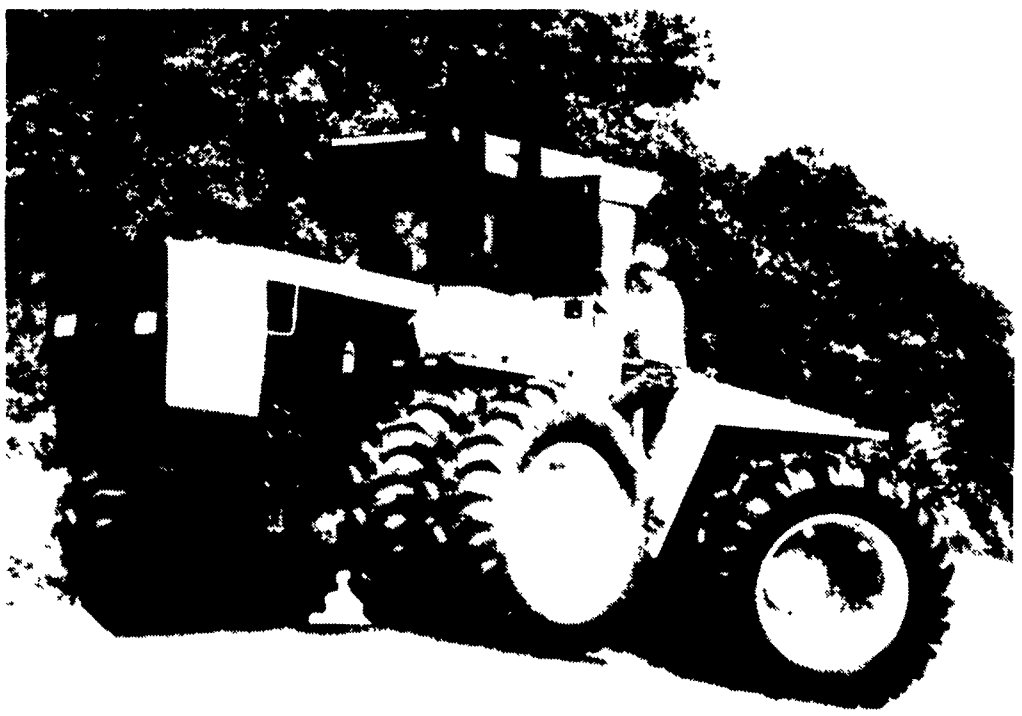

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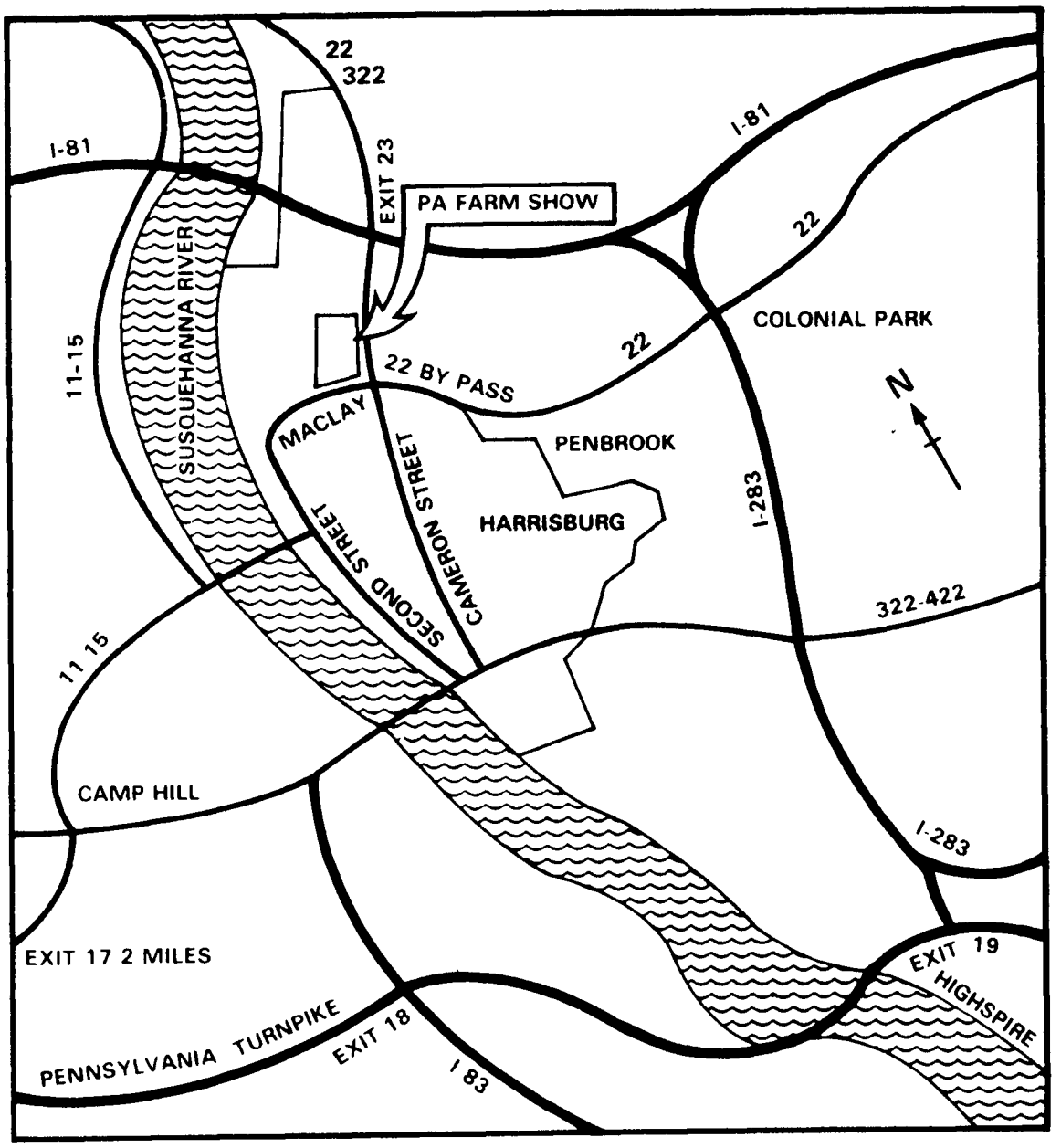
Schedule of events and meetings at 1984 Farm Show



SATURDAY, JANUARY 7

8:00 a.m. Swine Judging: Chester White, Poland China, Duroc, Hampshire, Berkshire, Yorkshire, Spotted Swine and Landrace, Small Arena
11:00 a.m. Judging: Tobacco, Main Exhibit Hall, Maclay St. Side
Noon Judging: Corn, Maple Syrup, Fruits, Edible Nuts, Maclay St. Side
Noon Judging: Home Economics, Lower Concourse
1:00 p.m. Judging: Hay, Main Exhibit Hall, Maclay St. Side
2:00 p.m. Judging: Apiary Products, Potatoes, Maclay St. Side
3:00 p.m. Judging: Small Grains, Maclay St. Side
4:00 p.m. Judging: Vocational Horticulture Exhibits, Lower Concourse
6:00 p.m. Judging: Carcass Lambs, Small Arena

Meetings

3:00 p.m. Pa. Cooperative Swine Breeders Association, Room C

SUNDAY, JANUARY 8

9:00 a.m. Judging: 4-H Entomology, Main Exhibit Hall, Maclay Street Side
9:30 a.m. Judging: Vegetables, Maclay Street Side
11:00 a.m. Sheep Judging: Dorset, Hampshire, Suffolk, Shropshire, Cheviot & Southdown, Small Arena
Noon Judging: Dressed Turkeys, Main Exhibit Hall, Maclay Street Side
11:15 a.m. Non-Denominational Worship Service, Large Arena
Noon GRAND OPENING CEREMONIES: A salute to Pennsylvania Agriculture and its farm commodity associations, Large Arena
1:00 p.m. Judging: Christmas Trees, Eggs, Main Exhibit Hall, Maclay Street Side
6:30 p.m. Farm Show Youth Benefit Night: The Ink Spots, Miss Pennsylvania Jennifer Lynn Eshelman, Al Raymond's Big Band, Large Arena

Meetings

11:00 a.m. Colonial Charolais Association, Room C
After Suffolk Judging, Pa. Suffolk Sheep Association, Small Arena
1:30 p.m. Pa. Dorset Breeders Association, Room A
1:30 p.m. Junior Angus Association, Room D
7:00 p.m. Pa. Sheep & Wool Growers Association, Room B

MONDAY, JANUARY 9

9:00 a.m. Judging: Wool, Sheep Barn
9:30 a.m. Draft Horse Judging: Belgian & Clydesdale, Large Arena
10:00 a.m. Swine Sale: Duroc, Small Arena
11:00 a.m. Draft Horse Judging: Percheron, Large Arena
11:30 a.m. Swine Sale: Hampshire, Small Arena
1:00 p.m. Swine Sale: Landrace, Small Arena
1:00-3:30 Vo-Ag School Demonstrations, Pennsylvania Room at Large Arena
2:30 p.m. Swine Sale: Yorkshire, Small Arena
5:00 p.m. Sheep Judging: Corriedale, Rambouillet & Merino, Small Arena
6:30 p.m. Secretary of Agriculture's Night: Welcome & Awards to Pa. Farm Show Family, Agribusiness Award and Senior Farmer, Large Arena
7:15 p.m. Cumberland County 4-H Horse and Pony Riding Demonstration, Hitched Horse Competition (1-5 horses), Large Arena

Meetings

9:00 a.m. Pa. Christmas Tree Growers Association, Hershey Convention Center
10:00 a.m. Pa. Society of Farm Women's 65th Convention, Forum Building
10:30 a.m. House Agriculture Committee Meeting, Room D
Noon Pa. Agriculture Democratic Luncheon Meeting, Room C
12:30 Master Corn Growers Association, Room E
1:30 p.m. Hampshire Swine Breeders Association, Room D
2:00 p.m. Pa. Cattlemen's Association, Room A
4:00 p.m. Pa. Cooperative Swine Breeders Association, Room C
6:00 p.m. Banquet, Society of Farm Women, Penn Harris, Camp Hill
7:00 p.m. Banquet, Christmas Tree Growers Association, Hershey Convention Center

TUESDAY, JANUARY 10

8:00 a.m. Dairy Cattle Judging: Guernsey, Brown Swiss and Milking Shorthorn, Large Arena
9:30 a.m. Dairy Cattle Judging: Holstein, Large Arena
10:00 a.m. Swine Sale: Spotted Swine, Small Arena
10:00 a.m. to 3:30 a.m. Vo-Ag School Demonstrations, Pennsylvania Room at Large Arena
11:00 a.m. Dairy Cattle Judging: Ayrshire and Jersey, Large Arena
11:30 a.m. Swine Sale: Poland China, Small Arena
1:00 p.m. Swine Sale: Chester White, Small Arena
2:30 p.m. Swine Sale: Berkshire, Small Arena
6:00 p.m. Master Farmers Night, Future Farmers of America Band Concert, Folk Dance Festival & Concert, largest in the country with 480 contestants, Large Arena
7:00 p.m. Junior Sheep Blocking & Grooming, Small Arena

Meetings

8:00 a.m. Pa. Society of Farm Women, Rooms D & E
9:00 a.m. Pa. Christmas Tree Growers Association, Hershey Convention Center
11:00 a.m. Master Farmers Association, Penn Harris Center, Camp Hill
1:00 p.m. Pa. Brown Swiss Breeders Association, Room B
1:30 p.m. Pa. Jersey Cattle Club, Room D
3:00 p.m. Pa. Ayrshire Breeders Association, Room C
3:00 p.m. Yorkshire Cooperative Association, Room E
3:00 p.m. Inland Fertilizer Association, Best Western, Carlisle

(Turn to Page A25)

Farm Show events and meetings

(Continued from Page A24)

6:00 p.m. Pennsylvania Dairymens Association, Penn Harris, Camp Hill
7:00 p.m. Pa. Angus Association, Hanover Restaurant
7:00 p.m. Pa. Draft Horse & Mule Association, Room C

WEDNESDAY, JANUARY 11
9:00 a.m. Junior Sheep Breeding, Small Arena
8:30 a.m. to 10:30 a.m. Vo-Ag School Demonstrations, Pennsylvania Room, Large Arena
9:00 a.m. Beef Cattle Judging: Polled Hereford & Angus, Large Arena
10:00 a.m. Junior Market Lambs, Small Arena
Noon Beef Cattle Judging: Charolais, Large Arena
1:00 p.m. Beef Cattle Judging: Shorthorn, Hereford, Large Arena
1:00 p.m. Junior Lamb Showmanship, Small Arena
1:30 p.m. Beef Cattle Judging: Chianina, Large Arena
2:00 p.m. Beet Cattle Judging: Simmental, Large Arena
4:30 p.m. through evening Championship Horse Pulling Contest: Lightweight Division; Six-Horse Hitch Demonstration; Heavyweight Division, Large Arena
6:00 p.m. Sheep to Shawl Contest, Small Arena
8:45 p.m. Auction of Shawls from Contest, Small Arena

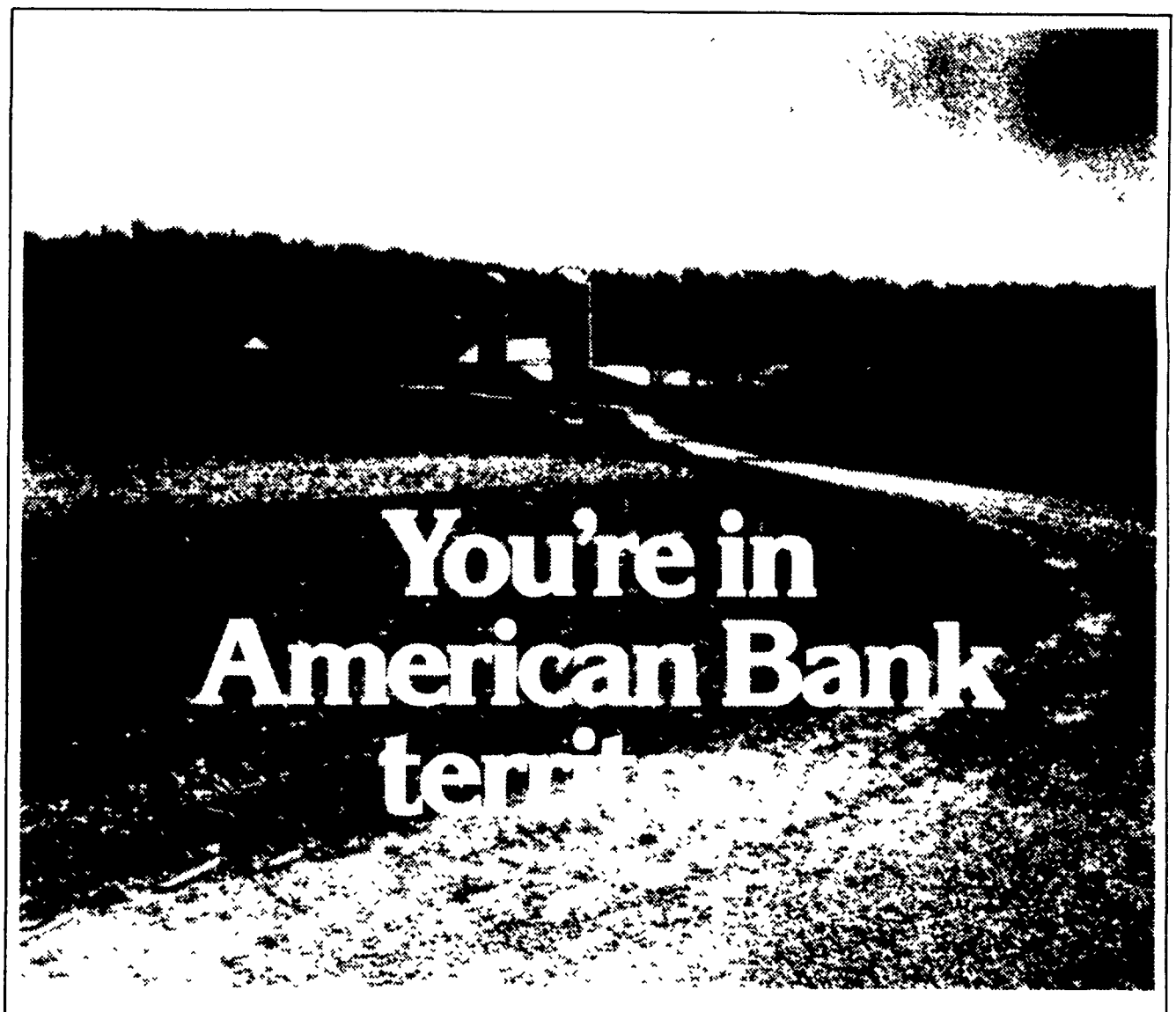
Meetings
1:00 p.m. 54th Annual Mid-Winter Convention of Future Farmers of America, Forum Bldg, Hbg.
2:00 p.m. Pa. Pork Producers Council, Room E
3:00 p.m. Pa. Charolais Association, Room A

THURSDAY, JANUARY 12
8:30 a.m. Junior Beef Breeding: Angus, Charolais, Chianina, Hereford, Shorthorn, Simmental, Large Arena
8:30 a.m. Junior Market Swine, Small Arena
9:00 a.m. 4-H Potato Grading & Identification, Room E
11:00 a.m. Junior Steer Classes, Large Arena
1:00 p.m. Junior Swine Showmanship, Small Arena
2:30 p.m. Grand Champion Steer, Large Arena
2:45 p.m. County Beef Trios, Large Arena
3:30 p.m. Junior Beef Showmanship Contest, Large Arena
6:00 p.m. through evening Pony Pulling Contest: Lightweight, Mediumweight and Heavyweight Divisions, Large Arena
6:00 p.m. Bid Calling Contest, Pa. Auctioneers Association, Small Arena

Meetings
9:00 a.m. Pa. Nut Growers Association, Room B

FRIDAY, JANUARY 13
9:00 a.m. Judging: Dairy Goats, Large Arena
10:00 a.m. Junior Market Swine Sale, Small Arena
12:30 p.m. Junior Market Lamb Sale, Small Arena
1:30 p.m. Junior Steer Sale, Small Arena

Meetings
10:00 a.m. PAE 4-HA Seminars Committee, Room A



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Hog totals increase

HARRISBURG — There were 950,000 hogs and pigs on Pennsylvania farms on Dec. 1, 1983 according to the Pennsylvania Crop and Livestock Reporting Service. This was nine percent more than a year earlier and 27 percent more than Dec. 1, 1981.

Breeding stock at 110,000 was up 26 percent from last year. The inventory of hogs for market increased seven percent from December 1982 to 840,000. The pig crop for the year totaled 1,296,000, an increase of 37 percent. Sows farrowing for the spring pig crop were up 67 percent to 80,000 with an average of 8 pigs per litter. For the fall pig crop, sow farrowings were up 17 percent to 82,000 with an average litter rate of 8 pigs.

Nationally, the inventory of all hogs and pigs was estimated at 55.8 million head on December 1. This is three percent above a year ago, but five percent less than December 1981. Breeding hog inventory at 7.35 million is one percent below last year and down six percent from two years ago. The market hog inventory at 48.5 million is four percent above a year earlier, but five percent less than 1981.

The United States pig crop for 1983 totaled 92.2 million head, ten percent above 1982 but two percent below the 1981 pig crop. The Dec. 1982-May 1983 pig crop is up 14 percent from a year earlier. The June-November pig crop is six percent greater than a year ago. A total of 6.14 million sows farrowed during June-November, up six percent. The litter size averaged 7.41, the same as a year earlier.

United States hog producers intend to have 5.90 million sows farrow during the December 1983-May 1984 period, five percent below a year ago but six percent greater than two years ago.

U. of Md. plans ag computer training lab

COLLEGE PARK, Md. — Improved farm management skills, largely based on advances in computer hardware and software, promise to launch the next great era for U.S. agriculture. So turning out computer-literature graduates has suddenly become a high-priority goal for colleges of agriculture at land-grant universities throughout the nation.

The University of Maryland is no exception.

Frank L. Bentz, Jr., vice-president for agricultural affairs and legislative relations, reports that the university's College of Agriculture alumni chapter has joined with agricultural administrators in a concerted effort to establish an agricultural microcomputer training laboratory at the College Park campus during 1984.

Managed by Extension computer specialists with assistance from skilled graduate students, the laboratory would have 16 microcomputers and a software laboratory containing a wide variety of agricultural computer programs appropriate for use by Maryland farmers.

The laboratory also would have networking capability to allow communication between the computers and a large-screen projection unit for class demonstrations.

Space has been allocated for such a laboratory in the Animal Sciences Center on the College Park campus. An estimated total of $61,300 is needed for equipping the laboratory. Approximately $30,000 of this amount would pay for the 15 microcomputers.

There is hope that a major U.S. manufacturer will supply the microcomputers and associated equipment free of charge, Bentz commented. This would leave $10,000 to $15,000 needed to renovate the room, install air conditioning and provide office furnishings.

It is hoped that this latter amount can be raised through financial contributions from University of Maryland agricultural alumni and other interested individuals or groups throughout the state.

In addition to training students in the College of Agriculture, the proposed computer laboratory at Maryland would be used to train county Extension agricultural agents. They, in turn, would then be qualified to conduct training classes for farmers throughout the state.

Eventually, farmers and agribusinessmen themselves would have an opportunity to come to the College Park laboratory for computer training.

The proposal also envisions provision of equipment and software programs for computer training in agriculture at the University of Maryland's Eastern Shore campus in Princess Anne, Dr. Bentz noted.

In addition, it would broaden course content and improve access to computer terminals for students enrolled in two-year technical programs at the Institute of Applied Agriculture on the College Park campus.

The institute has offered an introductory computer course since the Fall of 1982. By commencement time next spring, about two-thirds of the students in the graduating class will have taken this one-semester elective.

Besides its training function, the College Park laboratory would develop software programs on a continuous basis to benefit farmers and agribusinessmen.

And it would give a boost to statewide computer-related educational programs of the university's Cooperative Extension Service. These include UMDAIR, a feed management program for Maryland dairy farmers, and Dietary RCALL, a human nutrition program to help individuals assess the nutritive value of their daily food intake.

To date, the university's College of Agriculture alumni chapter has voted an initial contribution of $500 from its treasury to help fund the proposed computer training laboratory at College Park. And several members of the chapter council have been making contacts with prospective computer hardware and software suppliers.

Other members of the state's agricultural community who would be interested in assisting

(Turn to Page A31)

Regina A. Smick, of Jarrettsville, Md., a graduate assistant at the University of Maryland, teaches mathematics and an introductory computer course offered by the Institute of Applied Agriculture on the College Park campus. Here she demonstrates a microcomputer with teletext screen on two second-year students.

Mark R. Adkins, left, of Catonsville, Md., a former assistant instructor at the University of Maryland, pioneered an introductory computer course for students at the Institute of Applied Agriculture on the College Park campus in the Fall of 1982. The one-semester elective has been filled to capacity every semester since that time. Here, Tim Foster, of Baldwin, Md., a second-year student in the farm production and management technical program, tries his hand on the microcomputer.

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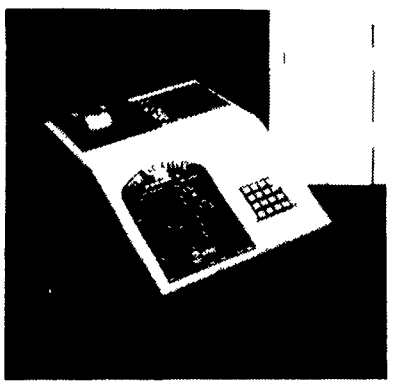

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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

THE MILK PROGRAM 2

Last week I discussed my new computer program on selecting alternatives under the new milk program. Some people have asked me if I can see trends as to which farmers will be most apt to benefit from reduction of production. Every dairyman should probably at least consider the benefits of reducing production. I do feel that you should look at it as a 27 month and not a 15 month program.

Who Might Benefit

Reduction could be quite profitable for some producers. Those who are phasing out of business anyway are obviously benefited. Others who may benefit are dairymen who have a base fairly close to present production levels and are short on feed. Dairymen who have over extended(crowded) facilities, labor resources and/or managerial ability may also benefit if they are not too highly leveraged (in debt). Finally those who have a present production level below the base due to any reason could benefit.

Inventory Time

It is inventory time. Don't put it off any longer. You should be making an inventory every year, and just because you have never done it before is a poor excuse. A good inventory can have a lot of uses. It is essential if you are going to do a farm analysis. It is valuable if you are going to work on an intelligent basis with your creditor. It can help a partnership arrive at individual partners capital account. This year many farmers are going to be short of feed. Take a feed inventory to see how long it will last. As I have stated before in this column. I believe that feed costs will ease up as we get into next spring. If this is a correct estimate of the situation, a good feed inventory coupled with rigorous culling and a sound feeding program could save you a lot of dollars.

Of course, I have a personal stake in you taking an inventory this year. One of the most valuable management tools is a farm analysis especially an enterprise analysis. My goal is to get every farmer in Pennsylvania to do and use a farm analysis. Very few farmers who have done a good analysis then used it to make management decisions are in deep financial trouble today. That is not saying there are not some in a financial bind because that can happen even to good managers. But with the background information provided by previous analyses, they stand a very good chance of weathering the storm.

Start Analysis Now

Do a farm analysis for 1983 by starting with an inventory now. From this inventory, you can estimate the beginning inventory. With inventories, yields, income and expenses, you have most of what it takes to analyse your business. You might be surprised at the results. Of course this is why some of you don't do an analysis - you are afraid of the results. My little boy is afraid of the dark, but someday (he says when he is 6) he'll get over that phobia. What about you? If you are interested in looking at an enterprise analysis, let me know. By the way, there are a number of county agents throughout the state who have my farm enterprise analysis program.

21 ag areas are created

HARRISBURG — The Agricultural Area Security Act (43 of 1981) enables farmland owners and township government to cooperate in the creation of an Agricultural Area.

As of December of 1983, nearly 80,000 acres of Pennsylvania's farmland have been included in Agricultural Areas. Twenty-one Agricultural Areas are scattered in fourteen different counties. Six hundred and thirty-five landowners are participating in the program.

Farmers in Bedford and Adams counties have shown a strong interest in the Agricultural Areas concept. Both Bedford and Adams counties have four Agricultural Areas each. Adams County has 8,292 acres included in the program and Bedford has 30,089 acres.

The size of an Agricultural Area varies; the largest to date is located in Colerain Township, Bedford County with 9,128 acres. The smallest is 774 acres in Latimore Township, Adams County, Minimum size, by law, for an Agricultural Area is 500 acres.

In an Agricultural Area, agriculture is recognized as the preferred land use. Participation is voluntary and the creation of an Agricultural Area is sanctioned by township government. Local governments are mandated to encourage the continuity, development and viability of farming by not enacting ordinances that unduly restrict farm practices or buildings in the Agricultural Area. Landowners in Agricultural Areas are also offered greater protection from land comdemnations for highways and disposal facilities for solid and liquid waste.

While 80,000 acres may be only a small percentage of Pennsylvania's farmland resource, it is a start for the program, and participation is expected to increase. Pennsylvania's farmers are beignning to realize the benefits of participating in an Agricultural Area.

Additional information relating to Agricultural Areas can be obtained from County Extension Offices.

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Progressive ag marks Master Farmers

Seipt adapts to urban sprawl

LANSDALE — Fred L. Seipt, of 1440 Sumneytown Pike, Lansdale, whose farm operation is located in a densely populated area of Montgomery County, finds that although urban sprawl has made agricultural production difficult, it also works to his advantage.

Eleven years ago, with suburbia creeping around his dairy farm, Seipt decided to diversify his enterprise and develop a retail milk business. The potential customers were nearby and increasing every month. He, however, had to invest heavily in a new farm dairy store and milk processing plant.

"We started out with bagged milk, ice cream, and a few extra items," Seipt said. "Milk sales at first were a trickle but now it takes over 500 gallons each day to keep the store in milk."

Today, Freddy Hill Farms employs 22 people in both the store and milk jugging plant. To supply the popular product, the Seipt operation milks 120 cows that produce over a million quarts of milk annually.

For his business expertise and management efficiency, the Montgomery County dairy farmer has been named a Master Farmer for 1983.

"The farm store was something we had to do if we were to stay in the dairy business. The urban pressures may have forced us out otherwise. Just a few years ago, the township we're located in was the fastest growing in the entire United States. The store is helping us cope with that pressure," the 48-year-old Master Farmer said.

To supply feed for the large cow herd, he grows alfalfa, ear corn, corn silage, wheat, and mixed legume-grasses on 130 acres of owned land and 300 rented acres. Due to urbanization, he has been forced to rent land as far as 10 miles away.

The Seipt operation recently added two sale items that have been profitable. Approximately 90 Holstein steers each year are marketed as freezer beef. Since animal wastes handling created problems, he installed a manure drying unit and sells bagged manure mulch.

Freddy Hill Farms is a family operation. Since 1982, a partnership has been formed among Fred and his two oldest sons, Vernon and Matthew, both Penn State dairy science graduates. Under the partnership plan, income is not evenly divided as in a normal arrangement. Each Seipt is rewarded for the amount of management input, plus the amount of capital each has invested in the business.

There is also a rider that the partnership will take 10 years to dissolve in case Fred dies. That way, the survivors are given more time to secure funds to buy out the other share, if necessary.

Responsibilities are divided among the partners. Fred oversees the entire operation and long-range planning. Matthew is in charge of machinery and the steers raising program. Vernon looks after the milking herd and animal breeding, including an ambitious embryo transfer program.

Fred's wife, Joanne, a home economist, is dairy store manager and bookkeeper. They have two daughters, Marilyn and Carolyn, both in college. A younger son, William, is a high school senior.

The new Master Farmer, a 1956 Penn State dairy science graduate, farmed with his father until 1967 when he purchased the farm and started his own herd of registered Holsteins. Several years later, with the help of his sons, he built the free-stall barns which house the cows.

"The latest addition to our management team is a computer. I'm just learning how to master it, but the boys already know it inside and out," the Master Farmer said.

The computer is used to make long-range planning decisions. Someday Seipt hopes to tie it into an agri-marketing network to further assist with management decisions.

Joseph Way, Montgomery County Extension director, pointed out that Seipt has given valuable leadership in improving Penn State College of Agriculture programs. He assisted in developing numerous educational projects while serving on the Extension Service executive committee. He also was chairman of the Southeast Pennsylvania Council of Cooperative Extension Associations.

He was also chairman of the Montgomery County 4-H Building Fund and committee for the 4-H Center. Following graduation from Penn State he became a 4-H leader and coached the state champion 4-H dairy judging team in 1958.

Seipt also is active in local and state agricultural organizations. He is finance chairman of the Farm and Home Oil Board, Agway committeeman, board member of the Montgomery County Farmers' Association, and member of the Holstein Association and Artificial Breeding Cooperative.

Fred L. Seipt, Lansdale, Montgomery County

The new Master Farming is chairman of the Towamencin Township Zoning Board and is a Little League sponsor. He is active in the church, serving on numerous committees and a member of the choir for the last 23 years.

In 1969, Seipt was recipient of the Jaycees Outstanding Young Farmer Award.

Houser looks for weak link

SPRING MILLS — Jay H. Houser, of R2 Spring Mills, believes that being successful in farming, or any other business, is finding the weakest link in the operation and then correcting it.

And, during the last 20 years, he's been taking a step-by-step approach in making his enterprise one of the most efficient farming operations in Pennsylvania. His 60 Holstein cows last year produced more than 660,000 quarts of milk and the corn crop used for silage yielded nearly 26 tons per acre.

Jay H. Houser, R2 Spring Mills, Centre County

For his business expertise and management efficiency, Houser has been named a Master Farmer for 1983.

When Houser and his wife, Mary, purchased his father's farm in 1963, he was facing a dubious future. In addition to carrying a 100 percent debt load, the young couple faced one of the worst droughts ever to hit Centre County.

"We only had one load of ear corn to pick for the crib after filling one small silo," the new Master Farmer said.

Perseverance and hard work since then have paid off. In addition to high milk production and crop yields, Houser's Penn Dell Farm ranks fourth in Pennsylvania for the number of bulls used for artificial service, a total of 30. Three years ago, two of his prefix bulls were in the top 50 nationwide.

"My first love, after the family, is dairying. I always like to milk but I also spend a wise amount of time on breeding and feeding programs," he said. "I'd love to have the perfect cow, with a 30,000-pound milk average."

The entire Houser family works on the farm. The five children are involved in all phases of the operation. Mrs. Houser helps with milking and feeding while carrying out her duties as a mother and homemaker.

The new Master Farmer keeps feed costs low by producing most of the grain and forage on the 213 acres of cropland. Feed costs run an amazingly low $7.25 per 100 pounds of milk produced.

The 48-year-old dairy farmer feeds his cows corn, oats, wheat, soybeans, corn gluten, and minerals. They also eat 12 to 15 pounds of hay per day. Last summer's drought caused a 10 to 20 percent reduction in yields.

Machinery costs are kept to a low $63.98 per acre. "When we started farming, we bought all used equipment. Now we pick the poorest piece to replace every year. All in all, we have not purchased big, new equipment. Our biggest tractor is 10 years old."

Melvin Brown, Centre County Extension agent, asked Houser to enroll in the county's Crop Improvement Association, an organization that hires technicians to monitor pest levels in crops and conduct soil fertility analyses. The first year he saved $400 on spray materials because the technicians found that insect levels were too low to make it profitable to apply insecticides.

"This association also provides yearly soil testing services and by using sprays and fertilizer only when needed, we have a more efficient operation," the dairy farmer said.

Penn Dell Farm has made recent improvements in buildings as well. A 100-by 40-foot addition has been made to the original tie-stall barn. Houser recently added an Amish-style corn crib that holds ear corn on the sides and stores grain in the top.

The new Master Farmer is concerned about the dairy surplus problem.

"What we really need is more research on how to diversify our product so more is used. We know how to improve production. Now we need to get a larger supply of the market," he emphasized.

Houser also is active in numeorus organizations. He assisted in developing agricultural and youth programs through his work as a member of the Centre County Cooperative Extension Service. He participates in many educational on-farm demonstration programs.

He is a member of a number of farm organizations including the Centre County and National Holstein Associations, Dairy Herd Improvement Association, Pennsylvania Farmers' Association, Centre County Agricultural Stabilization and Conservation Service board, and Dairy Shrine.

The new Master Farmer is active in the St. Marks Lutheran Church, serving as Sunday school teacher and council member.

In 1967, he was recipient of the Jaycees Outstanding Young Farmer Award. Houser also won the Progressive Breeder Award for 11 years. He was 1983 recipient of the Centre County Conservation District Farmer Cooperator Award.

Master Farmer honors to area agriculturists

Claude Hess relies on computer

MANHEIM — Claude H. Hess, of R4, Manheim, is the new breed of poultry producer who uses the computer to help manage a highly successful 80,000-hen laying complex. With his birds producing 1.7 million dozen high quality eggs annually, he relies heavily on computer programs to change feeding systems so every essential nutrient is provided at a particular stage of lay.

"The computer also allows me to change a ration based on grain or ingredient prices on today's market, substituting one ingredient for another at a lower cost. It's the pennies that count if there's a profit to be made," Hess said.

For his business expertise and management efficiently, the Manheim area poultry producer has been named a Master Farmer for 1983.

Formal award ceremonies will be held Jan. 10 at a special luncheon in Harrisburg. Hess will be inducted into the Pennsyvlania Master Farmers' Association whose membership consists of all former award winners. The program has been in existence for 50 years.

The new Master Farmer admitted that he doesn't consider himself a computer expert but the man between the chickens and the professional computer programmer.

"I know chickens and what they need each day. I also have learned enough about computers to work with a professional to get this information into the computer system," he added.

The nutrient values of all major feedstuffs, from corn to brewers' grains to meat and bone meal, already are built into the computer's software. With the push of a button Hess can call up scores of various rations for hens and growing pullets. The touch of a few more keys brings up the exact ingredient breakdown of each ration, including precise amounts of its nutrients.

"The computer's final printout gives the exact breakdown on pounds of each ingredient needed, its cost, and the nutrient value it contributed to the total ration," Hess said.

The 58-year-old Master Farmer has his own feed mixing system on the farm. He grows several hundred acres of corn and purchases the remainder of feeds needed in the rations. This gives him the flexibility to change basic ingredients.

According to Jay Irwin, Lancaster County Extension director, his system obviously is successful. His flocks continually are well above production levels for that particular strain of White Leghorns. Current production is 258 eggs per bird annually.

The real success story behind Claude Hess, however, is that he is in the farming business at all. Reared on a general farm in Lancaster County, he graduated from Upper Leacock High School.

At the age of four, he suffered a severe polio attack. For a time he was unable to walk because of left leg atrophy. His father advised him to choose a vocation other than farming so he could use his mental facilities rather than physical.

"I was mechanically inclined so I chose auto mechanics. In six years I owned by own repair shop, gas station, and car sales business," he noted. "But I always wanted to be a farm operator."

In 1959 Hess moved to the 36-acre farm he purchased the previous year and started farming with 1,500 chickens and 30 feeder pigs. Two years later he built an environmentally controlled 10,000-bird laying house.

In 1965 he entered into a three-way partnership to form a larger egg production and marketing firm, Plain and Fancy Egg Ranch. Hess assumed responsibility for pullet raising, egg production, and field crops.

Ten years later he sold his interest in the firm and built a 40,000 bird cage house on the present farm. In 1979 another 40,000-bird house was built adjacent to the first to form the present 80,000-hen complex on Dutch Dozens Farms.

"With environmentally controlled poultry houses you can have problems," Hess said. "The Penn State Cooperative Extension Service was very helpful in locating and correcting a 'static pressure' situation that was creating a serious air movement problem inside one of my 40,000-bird laying houses."

Pullets are grown under contract by another farmer. All eggs are

Claude H. Hess, R4 Manheim, Lancaster County

sold under contract to R.W. Sauder, Inc., a large processor-retailer in the county. Recently, Hess purchased two farms in Cumberland County. He grows corn and small grains on these farms.

The Master Farmer and his wife, Irene, have two grown children, Linda Kaye is an advertising copy writer in New York City. J. Clair is a medical doctor serving his internship at the Abington Memorial Hospital.

Hess is a member of several farm organizations including the Pennsylvania Farmers' Association, National Farmers' Union, Lancaster County Poultry Association, and Pennsylvania Poultry Federation.

He also is active in the Mt. Gretna Volunteer Fire Company, Lancaster YMCA, and Conestoga Church of the Brethren. He was a member of the organizing council for the On Earth Peace Assembly.

His work with youth includes sponsorship of foreign exchange students to attend Pennsylvania schools.

One of his off-farm interests is flying. He holds a commercial pilot's license and an instrument rating.

Program judges were Samuel Smith, dean of the Penn State College of Agriculture; Wayne Cawley, Maryland Secretary of Agriculture; and Wayne Cooper, manager of Farm Credit Banks, Dover, Del.

Ken Rutt has special touch

QUARRYVILLE — Kenneth M. Rutt, of R2 Quarryville, has that special touch needed to operate a highly successful dairy enterprise.

Last year, the 112 registered Holsteins owned by this Lancaster County dairy operator produced more than a million quarts of milk and the 326 acres of high quality crops grown to feed these cows yielded tonnage that was well above the state average.

For his business expertise and management efficiency, Rutt has been named a Master Farmer for 1983.

"Ken Rutt is a businessman first and foremost when it comes to managing the farm," said Glenn Shirk, Lancaster County Extension agent. "He makes wise decisions when breeding and feeding cows, buying and selling farmland, deciding whether to hire a custom operator, or utilizing manure as a replacement for commercial fertilizer."

Kenneth M. Rutt, R2 Quarryville, Lancaster County

The 37-year-old Master Farmer produces more forage and grain than is needed to feed his dairy herd. He sells the surplus to farmers in the county. In 1983 he grew 100 acres of soybeans, 61 acres of alfalfa and mixed hay, and 55 acres of double-cropped barley.

Edgewood Farms forage feeding program consists of corn silage, ryelage, and alfalfa hay. Silage is fed three times a day and hay two times. In the summer, he feeds five pounds of hay per head daily in addition to pasture, ryelage, and corn silage. In the winter, all corn silage is substituted for ryelage and alfalfa hay is increased to 10 pounds daily.

"We don't buy cows anymore," the Lancaster County dairy operator said. "About 20 percent of the heifers are kept for herd replacements. The rest are sold as registered heifers. About 45 registered bulls were raised last year and sold to local dairymen for breeding stock at 12 to 15 months of age."

By efficiently using manure with an earthen bank storage system, Rutt has practically eliminated the need to purchase commercial fertilizer. manure supplies all fertilizer needs for 200 acres of cropland.

The Master Farmer prefers to harvest crops by custom operators. The only harvesting machinery he owns is for haymaking.

"I pay a custom operator $150 an hour to chop and fill the silos," he noted. "That comes to about $2,500 for the 17 hours required to do the job. But the actual cost to me is only about 10 percent of what it is to own the equipment. It just doesn't pay."

To expand his acreage to produce more forage and grain, Rutt purchased a neighboring farm several years ago. He immediately sold the buildings and a few surrounding acres, leaving him 65 acres of valuable cropland. Another 65 acres were purchased in 1983.

"I try to buy raw land if it becomes available and has potential not only for good cropland but for future investment. Of course, the price has to be right," he emphasized.

The Master Farmer also operates a retail-wholesale equipment business on the farm. He sells a line of feeding and ventilation equipment, breeding wheels, and a milk dumping station.

Rutt grew up on the farm he now operates. When he married in 1968, a new barn was built and 60 cows were added to the herd. He worked for his father until 1971 when a partnership was formed. In 1974 he and his wife, Connie, purchased a nearby farm which they operated apart from the partnership.

This arrangement continued until 1978 when he bought his father's share of the cows and machinery. The farm real estate, however, was rented from his father. A 40-stall addition was put on the barn to boost cow capacity to 100 head. One year later the Master Farmer secured all land and holdings. At that time, he sold the farm he and his wife purchased five years earlier.

Mr. and Mrs. Rutt now operate the large dairy enterprise with a partnership agreement. Their three young children, Lorri Ann, Philip, and Matthew, assist with chores when not in school.

Extension Agent Shirk pointed out that Rutt helped develop numerous educational programs as a member of the county Extension executive committee. He has been a 4-H club leader since 1968 and serves as a director of the Lancaster County 4-H development Fund.

The new Master Farmer is a member of numerous agricultural organizations, including the Lancaster County and National Holstein Association, Solanco Young Farmers' Association, Inter-State Milk Producers Cooperative, and Solanco Fair Association.

He is active in the Mechanic Grove Church of the Brethren, serving as Sunday school teacher, deacon, and conference delegate.

Rutt also is a member of the Lancaster County land use advisory committee, farmland commission, and planning commission.

He received numerous Lancaster County Dairy Herd Improvement Association production awards and was a finalist in the Inter-State Milk Producers Cooperative young farmer awards program.

Calculating nutrition performance essential

Farmers learn basics of swine nutrition

BY LAURA ENGLAND

LEESPORT — Farmers attending a swine nutrition school held recently at the Berks County Agricultural Center in Leesport learned the latest in nutrition record keeping and the importance of developing least cost feeding programs.

Sponsored by Penn State University and the Southeast Cooperative Extension Service, the school was designed for swine farmers and feed company personnel interested in learning about swine nutrition and feeding programs.

Highlighted at the meeting was nutrition record keeping and least cost feeding programs. Other topics stressed the basics of nutrition and feeding all types of swine.

"Farmers should be aware of their swine feeding programs," said Berks County agriculture agent Clyde Myers. "They should learn to evaluate their programs economically."

In addressing the 45 farmers and feed company representatives attending the school, Myers said that farmers should be able to evaluate their own feeding programs "instead of just relying on feed companies to determine rations."

While explaining that feed companies "generally do a good job" in developing rations, Myers said farmers should also be aware of what they're feeding their hogs. This was the purpose behind sponsoring the two-day swine nutrition school, he said.

To keep feeding programs in check, Tom Painter, division swine service manager of Ralston Purina Company, suggested the use of a nutrition record keeping system. This system should be kept from the time the pigs leave the nursery until they reach market weight.

"Seventy percent of the expense in feeding pigs is in the finishing barn," Painter said. "Feed efficiency is the biggest cost."

Farmers should keep in mind the following goals in developing this record keeping system, Painter said: to promote rapid growth; to minimize potential losses; and to produce pounds of pork as efficiently as possible.

Painter provided a sample growing-finishing record sheet (please refer to graph) that farmers can use for record keeping. Important areas to record are feeding, mortality and healthcare. To evaluate the performance of the feeding program, temperature and space, as well as health, should be considered, he added.

The optimum temperature for a swine finishing operation is 68 degrees, Painter said. Colder temperatures result in increased feed consumption, while a severe reduction in feed intake occurs during heat stress (above 77 degrees).

Pigs also suffer when crowded together in cramped conditions. Painter noted the optimum space required for pigs in relationship to their weight: from 50 to 110 pounds, pigs need six square feet per animal; from 110 to 150 pounds, eight square feet per animal is needed; and from 150 to 220 pounds, 10 square feet per animal is suggested.

Painter added that no more than 30 hogs should be housed together in a pen, and pen mates should be of uniform size with no more than 10 percent deviation from average weight.

A serious problem related to overcrowding is stall out. This is a condition, Painter explained, where growth reaches a plateau or declines during some period of growing-finishing. It usually occurs at 150 to 180 pounds body weight, he said.

Health also affects feed efficiency and performance, Painter said. At this time of the year, ventilation is the key to good health, he said, and adequate ventilation should be provided.

If these conditions are met and a good feeding ration is formulated, farmes should have good performance from their hogs, he said. To calculate what this performance is, Painter suggested the following formulas:

-Average Daily Gain (ADG) - pounds of gain divided by the total length of time in days.

-Pen Pig Days - the number of head finished multiplied by the days from start to finish added to the number of head removed multiplied by the days from start to removal.

"By increasing the average daily gain of your pigs," Painter said, "you will put more money through your house."

As agribusinessmen, Painter added that farmers need to "keep a handle on their feeding systems." Through record keeping, this handle is provided.

Figuring Income Over Feed Cost/Ton

Income over feed cost/ton can be figured using a three step formula:

STEP 1: Ton of feed + Feed/Lbs. Gain = Lbs. Gain/Ton of Feed

Calculate pounds of Gain/ton of feed if the Feed conversion is 3.2.

$$\frac{2{,}000 \text{ pounds}}{3.2 \text{ F.E.}} : 625 \text{ pounds Gain/Ton}$$

STEP 2: Pounds of gain/ton x Market price/lb. of pork = Value of gain/ton of feed

Calculate value of gain/ton of feed using the answer from Step 1 and a market price of 50¢/lb.

625 X .50 = $312.50

STEP 3: Value of gain/ton - Feed cost/ton = Income over feed cost/ton

$312.50 - $200.00 = $112.50

Calculate the Income over feed cost/ton using the answer from Step 2, and a feed cost/ton of $136.

Sample Growing-Finishing Record Sheet

Pen No. _____

Starting	Feeding	Ending
	Date	
	No. Head	
	Total Weight	
	Average Weight	
	Price/Lb.	

Ration(s) _____

Total Feed Consumed _____

F/G _____

Total Days Fed _____

ADG _____

Mortality

Deaths/Removal _____

No. _____

Day _____

Weight _____

Reason _____

_____

Healthcare

Vaccinations _____

Deworming _____

External Parasite Control _____

Medication _____

A record sheet such as this is helpful in determining feed and nutrition efficiency of a swine growing-finishing operation.

ASCS gives program reminders

YORK — Reminders concerning several ag programs and their enrollment periods have been given by the York ASCS Office.

Feed Grain, Wheat

Enrollment in the Feed Grain and/or Wheat Programs is from Jan. 16 through Feb. 24.

Wheat reduction is 30% of Wheat Base established with ASCS with an option to divert an additional 10%-20% for PIK. Producers are required to use their own wheat for PIK.

Feed Grain reduction is 10% of Feed Grain Base established with ASCS. There will be no PIK for Feed Grains in 1984.

No diversion payments will be made on ground set aside in these programs. No advance deficiency payments will be made for wheat or feed grains.

Target Prices are wheat, $4.45; corn $3.03; Milo, $2.88; barley $2.60; Oats, $1.60.

National average loan rates are wheat, $3.30; corn, $2.55; milo, $2.42; barley, $2.08; oats, $1.31.

Wool Incentive

Final date to apply for Wool Incentive payment is Jan. 31. If a producer sold wool and/or unshorn lambs in 1983, they should visit the County ASCS Office.

Emergency Feed

Applications are being accepted through Jan. 4. for the Emergency Feed Program. Applications will be for a 90-day period from date of application. If a producer was ineligible previously, he should reapply. If a producer has a 90 day supply of feed on hand at 10# per animal, likely they would not be eligible for emergency feed. Feed on hand includes silage, alfalfa, small grains, corn, etc. Any feed products sold are counted also.

Milk Diversion

Sign-up for the Milk Diversion Program is from Jan. 3 through Jan. 31. Producers must first establish an "ASCS" Base using milk marketings for 1981 and/or 1982. It is very important to bring monthly sales receipts to the County Office for these months. Producers will also need 1983 marketings and the number of dairy cows milked each quarter in 1983. Producers should establish an "ASCS" Base as soon as possible.

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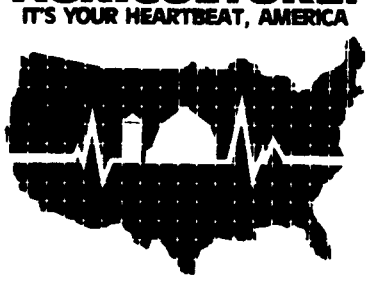

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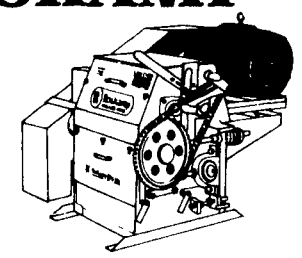

When you roll silage fresh just before feeding you'll see the difference in increased milk production, higher butterfat bigger faster gains
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SEE PAGE B17

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Clearfield milking school slated

CLEARFIELD — A milker school will be held in Clearfield County on February 2 and 3 at the Brady Township Municipal Building in Luthersburg.

The two day session will include a farm visit demostrating the California Masititis Test and a Milking System Evaluation Method Lecture topics include: anatomy of the udder, physiology of milk secretion, how the milking machine works, and discussion on mastitis.

Milking school instructors will be, Dr. William Wise, local veterinarian; Sam Crossley, Potter County Agent; Harold Bock, Clearfield County Agent; and David Gordon, Jefferson County Agent.

There is a registration fee of $20 per person or $32 for a family couple. For more information or to register call Harold Bock, 814-765-7878.

Computer training lab

(Continued from Page A26)

with establishment of the proposed computer training laboratory are invited to contact their local county Extension agricultural agent.

Or, they may get in direct contact with Frank L. Bentz, Jr., vice-president for agricultural affairs and legislative relations, Wilson H. Elkins Bldg. - Rm. 210, Central Administration, University of Maryland, 3300 Metzerott Rd., Adelphi, Md. 20783; phone: (301) 853-3620.

Breeding efficiency subject of meetings in Clearfield

CLEARFIELD — Concern for the financial loss to dairymen resulting from poor breeding practices, has lead Dr. Ronald Herring and Harold Bock to investigate possible ways to correct this problem on the farm.

Herring, a Clearfield area veterinarian, and Bock, Clearfield County Agent, have scheduled a series of meetings this winter on the subject. The meetings will address the many problems that may affect the breeding efficiency of a herd and consequently, the farm income.

The meetings are designed to first get an overview of the problems involved and possible solutions. Participants who do their own A.I. work will be given the opportunity to study cattle reproductive tracts and improve their techniques in A.I. Heat detection, calving interval, disease control, nutrition and other related subjects will be addressed.

Dr Herring and Michael O'Conner, Penn State Extension specialist in reproductive physiology, will provide the training at the meetings.

The first meeting is scheduled for January 19, at 10 a.m. in the auditorium of the Multi-Service Center. Registration deadline is January 13.

Pa. Dairymen's Banquet slated for Jan. 10

CAMP HILL — The Pennsylvania Dairymen's Association will hold its annual banquet January 10 in conjunction with the Pennsylvania Farm Show. The banquet will be held at the Penn Harris Motor Inn, Camp Hill, at 6:30 p.m. A milk bar will begin at 6 p.m. prior to the banquet.

Guest speaker for the Dairymen's Banquet will be John B. Adams, director of Environmental and Food Regulatory Affairs, National Milk Producers Federation.

Adams grew up near Apollo, Westmoreland County. He graduated from Penn State in 1964 with a B.S. in dairy science. In 1966 he received a masters degree from Clemson University. In 1970 he joined National Milk Producers Federation, to develop a program for food standards, for public health, and for animal health.

The Pennsylvania Dairymen's Association sold over 40,000 milk shakes last year at the Farm Show and All-American Show.

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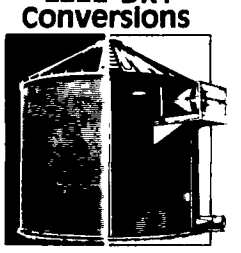

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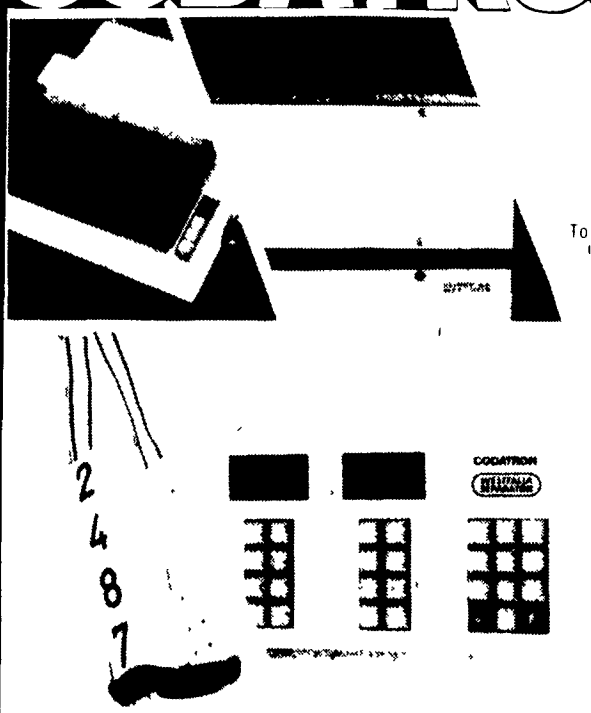

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Bradford plans dairy festival

TOWANDA — Wyalusing will host the 1984 Bradford County Dairy Festival on May 26, according to Royal Champluvier, Dairy Princess Festival Committee Chairperson. The Committee met recently at the Friedenshutten Restaurant to make festival plans and to develop a constitution and by-laws for the new Bradford County Dairy Promotion Association.

Mike Kilmer, Vice-Chairperson, informed those present that the Borough Park had been chosen as the scene of the day's events. This location will keep all of the planned activities together. Terry Keeney, Community Coordinator reported that many organizations from the Wyalusing area will provide activities and food. Events tentatively scheduled include Rocket Courrier Run, large parade, cow milking contest, equipment display, mini tractor pull, ongoing tennis tournament, complete dinner served by the Rainbow Club, possible Little League game and a petting zoo.

Another topic of discussion was the formation of a new organization, the Bradford County Dairy Promotion Association. The purpose of the association would be to: 1. promote the best interests of the Dairy Industry in Bradford County, 2. provide leadership in the promotion and marketing of quality dairy products and 3. organize the Dairy Princess Pageant would be only one of many dairy related activities. The Dairy Princess Festival and Pageant would be only one of many dairy related activites of the organization. Any resident of Bradford County could become a member by contributing annually to the Association.

Persons who attended the planning meeting were Royal Champluvier, Mike Kilmer Terry Keeney, Kay Champluvier, Judy McCarty, Dave Moon, Lyle Harding, Terri Madigan, Anita Whipple, Ronald Reagan, Orville Yoder, and Shirley Beard.

The next meeting is scheduled for Monday, Jan. 16 at 7:45 p.m. at the Friedenshutten Restaurant one mile south of Wyalusing on Route 6. Dairy related people are urged to attend and become involved in the Dairy Festival planning.

MMI delegates review dairy

COLUMBUS, Ohio — More than 220 Milk Marketing Inc. (MMI) voting delegates reviewed the passage of the Dairy Compromise Bill and passed two resolutions — concerning increased milk solids and transportation of milk — at the annual meeting. The meeting was held recently at the Quality Inn, Columbis OH.

In an opening address, MMI President Norman Alger told dairy producer-members that, despite a year of stress and change on the dairy industry front, the cooperative is in good financial standing. "We are a young organization and have been struggling out of adolescence into maturity during a time span of stress that is being applied from all corners on dairy farmers and their cooperatives," said Alger.

He reported that $1.8 million of member equity will be returned to members through MMI's equity redemption program. Monies have also been set aside in order to roll back the equity of retired members, age 75 and older.

"In my memory, there has never been a time that equals that of this year. The pressure of higher costs, lower prices, dry weather and uncertainty over government dairy policy have all merged into a resulting flood of milk production with most months' production in the MMI area running five percent or more over the previous year." noted MMI's president. As a result, there has been a subsequent strain on manufacturing facilities, and changes in marketing and transportation procedures. To add to troubles, traditional outlets for milk have closed and costs continue to rise as milk has to be moved farther to find markets.

Marketing during next spring's flush period will again be difficult. However, Alger remained optimistic that changes currently under consideration in MMI's marketing area, would help significantly. Continuing on a positive note, Alger said that every pound of MMI member milk was handled this past year with minimal extra marketing cost deductions.

COMPROMISE 1983

About the Compromise legislation which was recently signed by President Ronald Reagan, Alger told the producers that it is "vitally important" that the goals of the Compromise succeed. The primary goals are to bring about a balance of supply and demand and to reduce government costs through positive incentive and increased promotion.

"Congressman James Jeffords of Vermont...put it very well when he stated, 'The ball is now in our court.' There will be little sympathy in Congress for dairy farmers in October 1985 if production and government costs are not down," Alger reported.

Alger further applauded dairy producer and hauler support of the Compromise legislation and encouraged members to support the MMI-PAC.

In other business action, members of the MMI management team introduced the "DO" — Dairy Opportunity — program. The "DO" program, established by the National Milk Producers Federation, was designed to encourage participation in the Dairy Compromise incentive program and to explain sign-up procedures.

RESOLUTIONS

The resolution that the MMI delegate body support and expedite legislation calling for increased milk solids in fluid milk passed by voice vote. The second resolution asking the MMI management team to study the transporting of milk, including the use of computer-based cost routing and co-mingling of milk with other handlers to avoid route overlap also passed.

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Helms outlines ag legislation agenda

WASHINGTON D.C. — Sen. Jesse Helms, Chairman of the Senate Committee on Agriculture, Nutrition, and Forestry, outlined the agenda of agricultural legislation for the second session of the 98th Congress.

"The committee will, of course, continue to monitor the farm economy and will be attentive to problems which might arise in 1984. Beyond that, I hope the committee will lay the groundwork for considering the future direction of farm policy," Helms said.

"While the committee plans no specific legislative activity in regard to the 1975 Farm Bill, informal activities preparatory to action in 1985 will be of interest to the committee. And, without question, the committee will have a special interest in efforts to provide for a more fiscally responsible operation of all government programs–including farm programs–due largely to the problems imposed on farmers by the economic dislocations of massive federal deficits," Helms said.

Other matters on the committee agenda include:

Expiring Authorities

In 1984, authorization for several child nutrition programs, including the Special Supplemental Food Program for Women, Infants, and Children (WIC) will expire. In order for these programs to continue the committee must specifically reauthorize them. Some modification is likely to be considered in that process.

Also, the committee is expected to reauthorize the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as well as several other expiring authorities which provide for user fees in such USDA programs as cotton and grain inspection and classing.

Wilderness Bills

Another of the priorities for consideration early in the session will be several bills currently pending before the committee making wilderness designations in North Carolina, Wisconsin, New Hampshire, and Vermont. Several other bills involving proposed designations in other States are expected to come before the committee as well. The Chairman hopes to begin hearings soon after Congress reconvenes Jan. 23 and move to an early mark-up.

"The wilderness bills have a high priority," said Helms. "We hope to move these bills through Congress and restore long-term stability to the management of our forest resources for multiple use purposes."

Exports

"Unfair trade practices by other countries continue to rob U.S. farmers of export markets," Helms said. A number of proposals to counter this problem were introduced last year, and the committee reported S. 822. Helms said consideration of that bill or a modified version, S. 2005, the Agricultural Export Trade Equity Act of 1983, is possible early in the session.

"Our farmers continue to suffer from the export subsidies of the European Community," said Helms. "Other EC proposals concerning its Common Agricultural Policy appear to be blunted right now, but if they come up again, I can assure the EC that the Agriculture Committee stands ready to support countermeasures to make sure U.S. farmers are given fair access to world markets."

Bills Pending

Helms said other bills currently the S[illegible] considered early in the session.

H.R. 3867 (comparable to S. 2052), a bill to amend the Perishable Agricultural Commodities Act, would provide sellers and suppliers of fresh fruits and vegetables with assurances of timely payment. Helms said he hopes this bill will move quickly when Congress returns.

Also, extensions of the National Aquaculture Act of 1980 (S. 1101), and the Native Latex Commercialization and Economic Development Act (H.R. 2733), which have been reported by the committee, may be considered early in the session.

Food Stamps

The committee will review the recommendations of the President's Private Sector Survey on Cost Control regarding all areas within the Department of Agriculture. In addition, the committee will review the findings and recommendations of the President's Task Force on food Assistance.

The committee will conduct hearings on S. 1279, the Chairman Helms' bill to provide state option block grants for nutrition assistance in lieu of the Federal food stamp program.

Hearings will be held also on the food stamp program, specifically with regard to proposals for eliminating the fraud, waste, and abuse in the program. Among the bills to be considered is the Chairman's bill, S. 1727, a bill introduced by Senator McClure and others.

Other Issues

Helms said other committee Senators may bring issues before the committee. For instance, Senator Roger Jepsen (R-IA) is supporting legislation to reform soil and water conservation laws.

Senator Paula Hawkins (R-FL) plans to hold hearings early in the session on S. 1300, the Rural Electrification and Telephone

(Turn to Page A35)

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Impure water also helps cause disease (Solution — natural fertilizer in the future. Ours produces superior crops anyway, better than the neighbor's, then better livestock health Write for literature For immediate solution use our "CAREFREE CONDITIONER" It changes water from toxic to more negative No maintenance, no tanks or bottles, no electricity, salt or chemicals, no filters or cartridges. Less corrosion in water heaters, longer plumbing life, better healthier growth in greenhouses Unconditionally guaranteed Price ranges from $140 to $290 according to size

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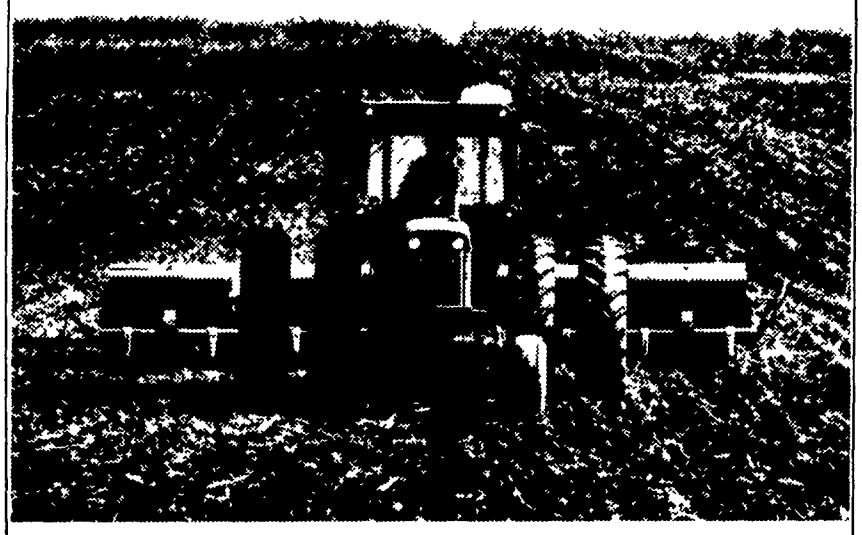

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JOHNSON

Avian flu

(Continued from Page A1)

Route 100, which it follows south to the Maryland state line and west along the border back to Interstate 81 in Franklin County.

In response to the infected turkey flock near East Berlin, a satellite office in Gettysburg has been proposed. The office is to be staffed with permit and diagnostic specialists, Nielson said.

With the large number of poultry flocks in the area, Nielson added, the satellite office will be service oriented by issuing permits and providing diagnosis of flocks.

In an up-date on the avian flu epidemic, 208 flocks, representing 8.4 million birds, were diagnosed with the hot avian virus. As of Thursday, 192 flocks, including 8.2 million birds, were depopulated.

A breakdown of flock numbers by type and by county follows:

By type - 4,782,433 layers; 3,205,645 broilers; 53,980 turkeys; and 381,914 "others" for a total of 8,423,972 birds.

By flock - 121 layer flocks; 51 broiler flocks; 3 turkey flocks and 33 "others" for a total of 208 flocks.

By county - 192 flocks in Lancaster County; seven flocks in Lebanon County; five flocks in York County; three flocks in Chester County; and one flock in New Jersey.

In other related avian up-dates, 15 poultry farms were approved for cleaning and disinfecting. Seven farms had previously been cleared.

Milk plan

(Continued from Page A1)

regardless of how much a dairyman might reduce production.

State officials from across the country will meet in Texas Jan. 4-6 to learn the specifics involved with administering the program.

In Pennsylvania, state ASCS officials will conduct two meetings Jan. 10 and 11 to train county ASCS officers.

ASCS officials in Delaware, Maryland and Pennsylvania are encouraging dairymen to establish their bases with ASCS now, to avoid the rush that will undoubtedly come at the end of the month.

To establish an ASCS Base, a dairyman needs to provide ASCS with monthly sales receipts or check stubs for the months of January through December of 1981 and/or 1982. This is important! If all sales receipts are not availabel, additional documentation will be needed.

Participants may select either the total milk marketed in calendar year 1982 or the average of their marketings in calendar years 1981 and 1982. The ASCS Base is computed by using two times the first quarter production plus that of the second, third, and fourth quarter.

To complete the 15-month contract participants will need, in addition to the above, their marketings for the first 11 months in 1983. Additionally participants will need the number of dairy cows milked in each quarter in 1983.

Past year in ag

(Continued from Page A1)

And there was good reaction to the dairy bill that was signed in December at the same time that the National Milk Producers Federation held their meeting in California.

But getting back to the unexpected, as the hot, dry weather was covering the area, a new problem arose.

Toward the end of June, it was reported that a rare flu had hit some Lancaster County poultry flocks. By the end of July, 10 cases of Avian influenza had been diagnosed. The United States Department of Agriculture was called into the influenza outbreak toward the end of October. By November a quarantine area was mapped out, and by mid-November the area had been expanded. By mid-December chickens affected by the influenza were numbering six million.

Avian flu was not the only disease that hit the state, causing problems to animals. In May, **Lancaster Farming** reported that rabies was continuing to spread through the state. And, in that same issue, it was announced that a blue mold alert had been issued in Pennsylvania, causing alarm for tobacco growers.

And then the farmers up in McKean County had another problem to contend with. Bears, too many of them, were damaging the corn crops.

All in all, 1983 was indeed a year that farmers, and all Pennsylvanians, will remember.

NJ poultrymen contribute to AI fund

TRENTON, NJ — In a gesture of assistance to distressed fellow poultrymen, members of the New Jersey State Poultry Association have approved a donation of $1059 by their organization to the Pennsylvania Poultry Federation, Avian Influenza Fund.

The contribution is based on one dollar for each thousand birds shown in the current hen population of the Garden State.

In approving the donation, Richard Osborn, Cream Ridge, NJ, president of NJSPA, said "We cannot ignore the efforts of our Pennsylvania neighbors in combating a situation that levels a threat against the entire national egg production network. We hope that our action will encourage other individuals and organizations to help the Pennsylvania poultrymen."

Lancaster no-till

(Continued from Page A1)

College, Heistand first worked for the district in 1975.

At that time, he worked as an assistant district administrator for the erosion and sedimentation monitoring program. He was hired again in 1979 to work with a farmland study project on farmland preservation.

From 1976 to 1979, Heistand worked as a volunteer agriculturist in Chad, South Africa, under the Mennonite Central Committee. Under the same committee, he worked in the Somalia refugee camps from 1980 to 1983.

Heistand's responsibilities as a tillage specialist are to educate farmers in no-till corn and soybean planting. He will also be in charge of scheduling and maintaining the corn planters in the field.

Guest speaker for the meeting was Jim Gerhart of the U.S. Geological Service. A hydrologist, Gerhart explained the purpose of the Conestoga Headwaters Project which is jointly sponsored by the Soil Conservation Service, the Agricultural Stabilization and Conservation Service, and the Lancaster Conservation District.

A 10-year project, Gerhart said the three conservation services hope to find better management practices to improve water quality within the Conestoga River area in Lancaster County.

Through monitoring water quality by sampling streams and ground water for sedimentation, nitrogen, phosphorus and herbicides, the best management practices for the area can be determined, Gerhart said.

Ag agenda

(Continued from Page A34)

Revolving Fund Self-Sufficiency Act of 1983, introduced by Senator Huddleston, the ranking minority member of hte committee.

"Our overriding goal must be to provide farmers with necessary protections while making our farm programs fiscally responsible," said Helms. "We simply must control the cost of farm programs if we are to have broad-based public support of them, and also because of the large budget deficit.

"While there are only a few major programs to be reauthorized this year, the committee may be asked to examine some farm programs for possible budget cuts. We must remember that any gains in savings that can be made in 1984 will reduce the deficit, decrease the pressure for higher interest rates, and ultimately help the farmer.

"Also, 1984 will be a year in which we set the stage for the 1985 Farm Bill. We will set in motion many of the activities necessary for drafting a good Farm Bill. For instance, the Agriculture Committee will publish a print of selected papers on farm policy early in the year. But we won't be writing the bill, nor should we. It is an election year, and farmers know that politics often makes for bad policy. We just can't play politics with our farm programs because they are too important not only to farmers, but to every consumer in the country."

Columbia reports top dairy producers

BLOOMSBURG — The Columbia County Dairy Herd Improvement Association completed its 45th year with 39 herds on official test and seven herds on owner-sampler programs. The average production for the Association was 15,109 pounds of milk and 569 pounds of butterfat, both figures down slightly from the previous year. There were 2,398 cows enrolled in the program, representing about 60 percent of all milk cows in the county.

Fra-Jan Farms, owned by Frank and Jan Jurbala, Rohrsburg, again had the highest herd average in the Association with an average of 21,474 pounds of milk and 798 pounds of butterfat. The Jurbala herd is made up of 45 registered Holsteins.

The second ranking herd in the county was the Holstein herd of Richard Kriebel. Benton, with 46 cows. This herd averaged 19,585 pounds of milk and 740 pounds of butterfat. Third ranking herd was Circle C Farms, R.D. #1, Bloomsburg, with 25 Holstein cows, they averaged 18,662 pounds of milk and 704 pounds of butterfat. Richard Kriebel also had the highest ranking Guernsey herd in the county with 20 cows averaging 13,320 pounds of milk and 656 pounds of butterfat. Other herds in the county with averages of over 650 pounds of butterfat were: Shultz Brothers, Jerseytown 70 cows with an average of 701 pounds of butterfat; John Turofski, R.D. #1, Catawissa, 33 cows with 693 pounds of butterfat; Robert Bronson, Mainville, 55 cows with 681 pounds of butterfat; Richard Yule, Millville, 43 cows with 662 pounds of butterfat; and Barry Wise, R.D. #1, Benton, 50 cows with 653 pounds of butterfat.

In recognition of life time production, top honors went to a Holstein cow owned by Pen Col Farms, Millville, their cow, Angie produced 196,425 pounds of milk and 8,146 pounds of butterfat in nine lactations. Pen-Col Farms had 25 cows with lifetime production of over 4,000 pounds of butterfat. Second honor for lifetime production went to a Holstein cow owned by Shultz Brothers that produced 183,704 lbs of milk and 7,763 pounds of butterfat in nine lactations. Shultz Brothers had 10 cows withy lifetime records of more than 4,000 pounds of butterfat.

Other herds in the association with cows producing more than 4,000 pounds of butterfat in their lifetime were: Fairwood Farms, Berwick, 10 cows; George Duncan, Millville, 8 cows; Lyon Den Dairy, R.D. #1, Millville, 10 cows; Richard Kriebel, 3 cows; Jack Dent, Summerhill, 4 cows; Dan Walk, R.D. #1, Bloomsburg, 6 cows; Robert Bronson, 2 cows; Frank Jurbala, 6 cows; Glen Bowman, Millertown, 2 cows; William Bissinger, Orangeville, 3 cows; Robert Schlichter, Benton, 1 cow; James Hunter, R.D. #1, Orangeville, 3 cows; Robbins Farms R.D. #4, Bloomsburg, 3 cows; Kenneth Hackett, Bloomsburg, 2 cows; Albert Hack, Berwick, 2 cows, Thunderbird Farm, Benton, 1 cow; John Turofski, 2 cows.

Also receiving recognition at the Annual Meeting of the Association on December 28th was Robert Bronson for having the lowest average Somatic Cell Count for the year with a count of 92,000. Awards for largest increases over the previous year went to Hosler Brothers, Berwick for an increase of 91 pounds of butterfat and to Jay Wise, Benton for an increase of 2,832 pounds of milk.

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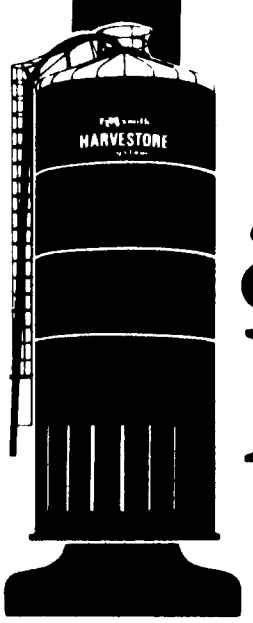

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Feed Consumption - As Fed	30 18 lbs
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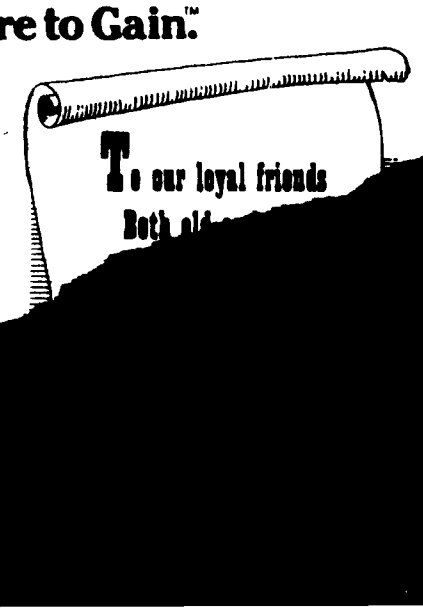


Pork : a Daily Tradition for Rutters

BY JOYCE BUPP
Staff Correspondent

DOVER — Come tomorrow, pounds and pounds of pork, cooked up with gallons of sauerkraut and bushels of potatoes, will grace the tables of New Year's Day celebrants with roots in the Pennsylvania Dutch heritage.

Traditionally, eating pork and sauerkraut on the first day of the year assures the consumer of these favorites a year of good fortune.

But at the Rutter farm, north of Dover in the Conewago Creek valley, pork is tradition every day of the year, and has brought continuing good fortune to swine, beef and grain farmers, Carolyn and Jerry Rutter.

The Rutter's 950-sow, farrow-to-finish facilities didn't start out a dozen years ago on the intent of farrowing out 18,000 hogs annually.

As a matter of fact, it began with a small herd of 50 gilts and a pair of Hampshire boars.

"When we bought those first ones, we knew nothing about hogs," smiles Carolyn Rutter. "But it offered another steady income diversification possibility."

Both had worked at Jerry's family's Rutter's Dairy in York, Jerry associated with the dairy and Carolyn in the quality control lab. With a desire to do more "in the field" of farming, they opted to specialize in beed and grain production on their own farm.

Carolyn and her two herds women are in charge of the breeding herd and the farrowing and nursery buildings.

"Managing pigs in half observation," Carolyn believes. "Since we have girls in the farrowing room, our litter numbers have increased by a pig per litter.

They seem to pay more attention to details, are more observant of the needs of the baby pigs and the mother sows, and are more adept at handling and processing the babies."

Morning feeding begins about 7 a.m., with Carolyn checking sows and litters as she feeds each pen area manually.

"That's a more labor intensive way to raise hogs," she agrees. "But they receive more individual attention. And if I'm late, they really give me the raspberries."

After feeding chores are completed, she meets the breeding herd manager Linda Spahr, and Melissa Weaver, manager of the farrowing room and nursery, to set up schedules for the day.

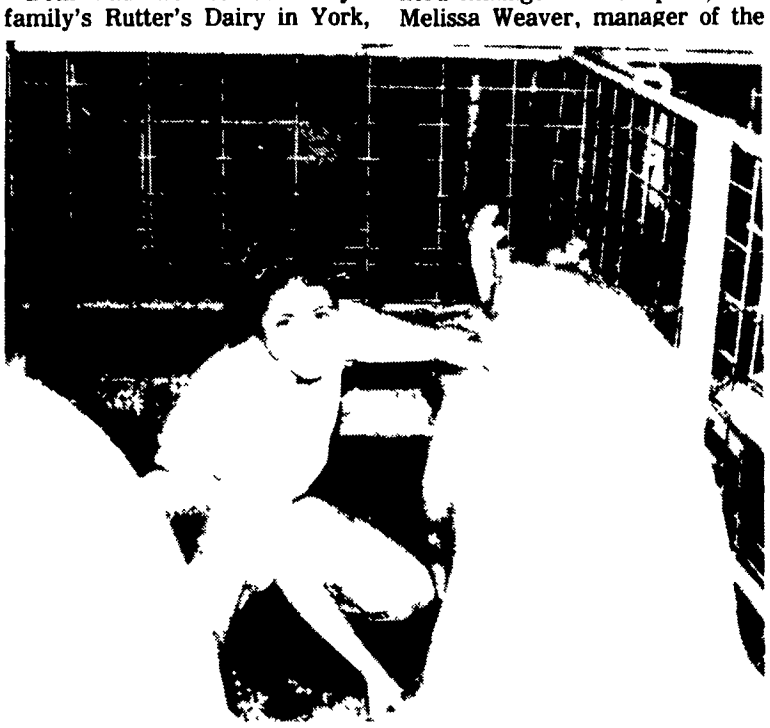
A backup crew of four men handles most of the heavier work of feeding, cleaning, and the constant process of moving sows and young pigs. Pens are scrubbed and disinfected between litters; and since up to 15 litters may be born in a 24-hour period, housekeeping is a continuing and demanding job.

Breeding manager Linda Spahr and Carolyn confer weekly to

(Turn to Page B4)

A pair of cheery porkers, designed by York farm wife and artist Ailean Detter, welcomes visitors to the Carolyn and Jerry Rutter farm.

By phoning a professional marketing consultant each morning, Carolyn Rutter gets the latest information on the markets for livestock and grain, buying and selling recommendations and an update on the futures market.



With the experience developed from careful observation, Linda Spahr determines how close sows are to farrowing.

These little pigs aren't going to market, in spite of the grocery cart mode of transportation. Nursery manager Melissa Warner uses the handy carts for moving litters to weigh in, for shots and teeth clipping, and says she couldn't get her job done without the unusual baby "stroller" device.

role in the Rutter's above average weaning
left, assists Melissa Warner in processing
eeth clipping, and treating umbilical cords

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Breeding herd manager Linda Spahr supervises the line-up of carefully selected sires used in the Rutter's herd breeding programs. The obvious affection she has for her sow and boar charges seem to be returned as they greet her at the pen gates.

Daily Tradition

(Continued from Page B2)

choose the replacement gilts from weaning litters, partly based on detailed records of litter and weaning performance of the sow.

Replacements gilts are all raised from the farm's own stock, many of the selected females ear notched for that potential immediately at birth. Before their selection, newborns are examined for underline and weight level.

Each sow is given an identification number and permanent records are kept on breeding dates, service boar and due date. With each new litter, she also is given another card with litter numbers and weights, and weaning numbers and weights.

Since mothering traits are highly inheritable, a sow, in order to remain in the breeding herd, must have weaned at least nine pigs with her three previous farrowings.

Linda Spahr, a former York 4-H member, knows most of the sows and all the boars, obviously en-

(Turn to Page B5)

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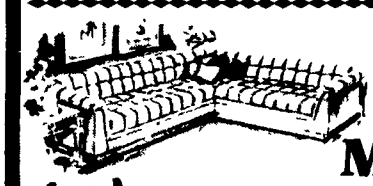

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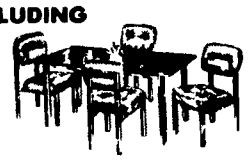

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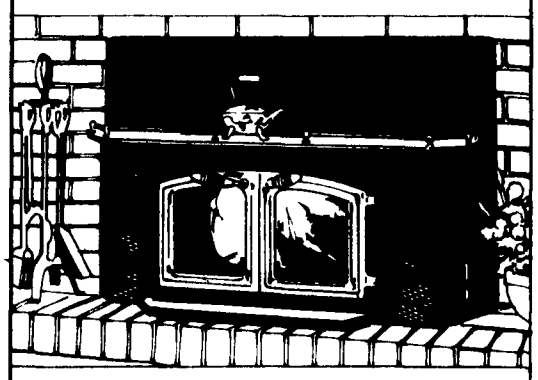

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Daily Tradition

(Continued from Page B4)

joying her full-grown hog charges. Their individual personalities have won many of them individual, affectionately-labeled names bestowed by the barn crew, like Pooh Bear, the boar with a penchant for chewing tobacco.

Melissa Weaver, in charge of the nursery, can often be seen pushing a grocery cart through the aisles of the farrowing house. She claims she couldn't possibly do her job without the cart, which is used as a kind of "stroller" for moving and handling litters of newborns for weighing, iron shots and clipping teeth.

A former FFA member of the Gifford Pinchot chapter at Northern High School, Melissa put her name in with the Rutter's for a job

Her frequent assistant in nursery care is Lori Weaver, a vo-ag student from the Dover FFA. While Lori fills in wherever needed in the swine production complex, her primary work is in the breeding and nursery areas.

Former nursery manager Denise Burke, who left her job with the Rutters for motherhood, now returns every third weekend, when she and her husband are in charge, giving the full-time staff days off.

After feeding and scheduling chores are accomplished, Carolyn spends another part of her mornings on the telephone, as marketer of the farm's commodities.

Recently, she began using the services of a professional marketing consultant. Every morning, Carolyn calls their consultant, taking updates and recommendations on hog, beef and grains markets, along with feed or buy advice and a briefing on the futures market.

After studying the consultant's recommendations, she may then call the broker, who handles the Rutter's "managed account," and does the actual trading of commodities.

By following the cash market, Carolyn determines when to sell fat hogs, in addition to scheduling weekly feeder pig sales. About half the feeder pig production goes onto the farm's own fattening floors, with the remainder sold to other hog feeders.

"Since we've just started using this advisor service, it will take some time to determine how effective it is," is her assessment of working with a professional consultant.

The three-way-crossed Hampshire, Yorkshire and Duroc sows, crossed back to purebred boars, mostly Hampshire and Spots, have established for the Rutters a herd efficient in feeding and reproduction.

Between 30 to 60 replacement gilts go into the herd monthly, in order to maintain a regular farrowing schedule. Of the 155 to 160 litters farrowed monthly, sows are weaning a commendable average of 9.5 pigs.

But extreme heat and its resulting stress of the past record high temperature summer cut that average for at least three months by about one-half pig per litter. Heat stress not only affects the breeding schedules, it tends to reduce litter size.

"It takes about six months for production to recover from that kind of stress," Carolyn explains.

Heat, and its accompanying drought, created other problems. All the grain for the hog operation is purchased.

"That's a real problem this year," Carolyn says of the current corn prices and tight supplies. She does anticipate a better hog market by the middle of 1984, since market advisors still see herd liquidations taking place.

With her interest in marketing, Carolyn serves on the board of PACMA, the Pennsylvania Agriculture Commodities Marketing Board, associated with the Pennsylvania Farmers Association. PACMA is working to develop increased marketing services for additional commodities, with grain, live stock, fruit and vegetable programs already operating.

She also serves on the board of the Pennsylvania Farmers Association, and takes a deep interest in legislative activities.

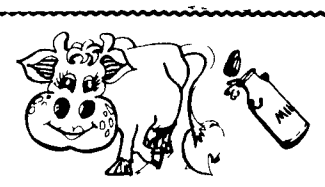
"Time spent on legislation so affects our economic well being. We need to be involved and have some say in what happens in those legislative bodies, "is Carolyn's philosophy that she is quick to share with others.

Three years ago, Carolyn was named the first woman member of the State Farm Show Commission.

"That's another way in which we can promote all of Pennsylvania's agriculture products," she adds.

Enthusiastic promoters, the Rutter's support the programs of the national and state Pork Producers groups as well as the Porkettes organization. Through these commodity promotion structures, a dime per hog sold goes for advertising and media campaigns, pork sample handouts at local retailing establishments, and continuing efforts with nutritionists to include more pork in school lunch and similar feeding programs.

With the start of a new year, pork promoters like the Rutters wish for continued good fortune for both hog producers and consumers who respond by including more pork in their meals.



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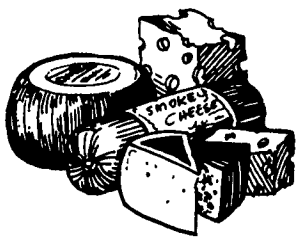
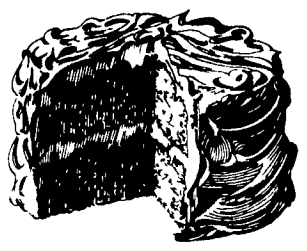


Home On The Range



Time to Count Those Calories

There were cookies and candies and big family dinners, and, of course, eggnog. It was Christmas and who wanted to think about dieting. But now the sizes you told your family to buy no longer fit. Time to count those calories!

Although it sounds dreadful, it doesn't have to be. Try some of these recipes that promise to make dieting a bit easier.

VEGETABLE BISQUE

1 can (18 oz.) tomato juice
2 tablespoons instant minced onion
2 tablespoons butter
1 teaspoon salt
1 cup thinly sliced celery
1 cup shredded carrots
2 cups milk

In 2-quart saucepan, combine tomato juice, onion, butter and salt. Add celery and carrots. Bring to a boil; reduce heat, cover and simmer 10 minutes. Stir in milk. Heat to serving temperature. 137 calories per one cup serving.

MANDARIN RICE PUDDING

1 can (11 oz.) mandarin oranges, packed in light syrup
3 1/2 cups milk
1 package (3 1/4 oz.) coconut cream pudding and pie filling
1/2 cup packaged pre-cooked rice

Drain oranges, reserving syrup. In a 2-quart saucepan, combine syrup, milk and pudding. Stir in rice. Heat until mixture comes to a boil (about five minutes). Divide into serving dishes. Garnish with orange sections. Cover and chill. 136 calories per serving.

YOGURT BAKED CHICKEN

2 cartons (8 oz. each) plain yogurt
2 tablespoons fresh lemon juice
2 tablespoons soy sauce
1 1/2 teaspoons ground coriander
1/4 teaspoon curry powder
1/4 teaspoon pepper
4 whole chicken breasts, split and skinned

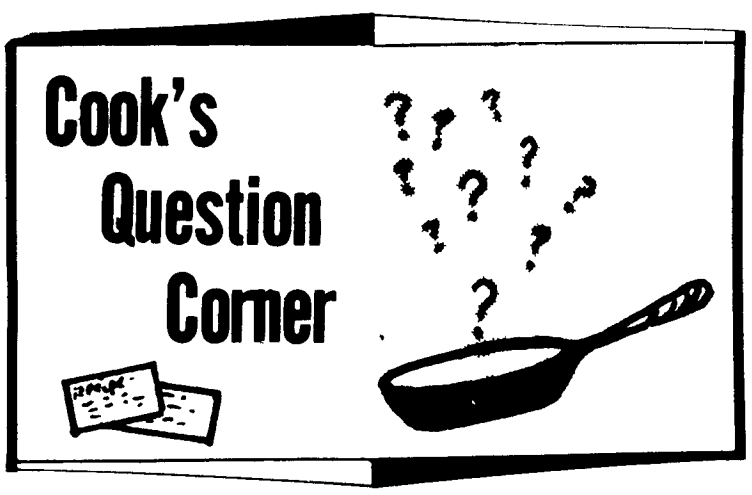
Combine yogurt, lemon juice, soy sauce, coriander, curry powder and pepper in a 3-quart rectangular baking dish. Turn chicken breasts in sauce to coat all sides. Cover and marinate several hours or overnight in refrigerator. Preheat oven to 375 degrees. Bake chicken, uncovered, 40 to 45 minutes or until tender. Baste frequently with sauce. 169 calories per serving.

POTATO CRUST HAM AND CHEESE

2 cups mashed potatoes, made with skim milk
2 tablespoons prepared mustard
1 pound cooked ham, cubed
1/2 cup low-fat cottage cheese
2 slices low-fat cheddar cheese, crumbled

Mix mashed potatoes and mustard. Spread evenly in bottom of non-stick 8-inch square baking pan. Add ham cubes in layer on top of potatoes. In electric blender, blend cottage cheese and cheddar cheese until fairly smooth. Spread over ham. Bake at 350 degrees for 30 minutes or until casserole is heated through. 250 calories per serving.

Gelatin salads, stocked with lots of vegetables, are a tasty way to watch your calories. Try Betty Biehl's Gelatin-Vege Salad in this section.



ANSWER - Carol Koser, Columbia R3, wrote and asked for a whole wheat sugar cookie recipe. Thanks go to Naomi Burkholder, Lititz, for sending in the recipe.

Whole Wheat Sugar Cookies

1 cup sugar
1 teaspoon baking powder
½ teaspoon salt
½ teaspoon soda
½ teaspoon nutmeg
½ cup butter or margarine, softened
1 egg
2 cups whole wheat flour
2 tablespoons sugar
½ teaspoon cinnamon
2 tablespoons milk
1 teaspoon vanilla
1 tablespoon grated lemon or orange peel, if desired

Heat oven to 375 degrees. Combine first 10 ingredients in large bowl; blend well. Lightly spoon flour into measuring cup; level off. Stir in flour. Shape into 1-inch balls. Place on ungreased cookie sheets, two inches apart; flatten slightly. Combine sugar and cinnamon, sprinkle over cookies. Bake eight to 10 minutes until golden brown. Cookies will be soft in center.

Recipe Topics

January	
7	Chinese Recipes from Mifflinburg FHA
14	Favorite Hamburger Dishes
21	Egg-citing Eggs

The next two recipes are from Betty Biehl, Mertztown.

GELATIN-VEGE SALAD

1 (3 oz.) box lemon gelatin
1 cup boiling water
2 teaspoons vinegar
1/2 tray of ice cubes (7 to 10)
1/2 cup shredded cabbage
1/2 cup shredded carrot
1/4 cup diced celery
1 teaspoon chopped green pepper

Dissolve gelatin completely in boiling water. Add vinegar and ice cubes, stir constantly until thickened, about three minutes. Remove any unmelted ice. Fold in cabbage, carrots, celery and green pepper. Chill in large dish or mold for about one hour. Serve.

GRAPE SALAD

2 envelopes gelatin
1/2 cup cold water
2 cups boiling water
3/4 cup sugar
juice of one lemon
1 cup grape juice
seedless green grapes

Mix gelatin with cold water then hot boiling water. Add sugar and cool. Then add lemon juice and grape juice. Fill ring mold half full of seedless green grapes and pour on above mixture. Let set until firm.

FIESTA BEEFBURGERS

1 1/2 pounds ground beef (80 percent lean)
1/4 cup chopped green pepper
1/4 cup chopped green onion
3/4 teaspoon salt
1/4 teaspoon coriander
1/4 teaspoon cayenne pepper
1 cup canned tomatoes
1 tablespoon cornstarch
1 small head iceberg lettuce

Combine ground beef, two tablespoons green pepper, two tablespoons green onion, salt, coriander and 1/8 teaspoon cayenne pepper; mix lightly, but thoroughly. Shape beef mixture into four patties, four inches in diameter. Cook slowly in a large frying pan to desired doneness, five to eight minutes, turning occasionally. Remove patties to warm plate. Pour off drippings. Combine tomatoes and cornstarch. Add tomato mixture and remaining green pepper, green onion and cayenne pepper to frying pan and cook five minutes or until thickened, stirring occasionally. Cut lettuce into four one-inch crosswise slices or rafts. Place one patty on each raft and serve with sauce. 445 calories per serving.

(Turn to Page B8)

Featured Recipe

This week's recipe comes from Miriam DeLong, and although this page is devoted to calorie cutting recipes this week, we could not pass up the chance to share Miriam's cranberry relish and dressing. Read about Miriam and her family on page B14.

Cranberry Salad

3 (3 oz.) packages of cherry jello
3 cups boiling water
2 cups cold water

Add above ingredients and cool.

1 (12 oz.) package of cranberries, ground and coated with one small cup of sugar

Add to jello mixture. Grind four large apples and add to mixture. Put in mold.

Dressing

1 cup whipped topping
½ cup sour cream
½ teaspoon vanilla

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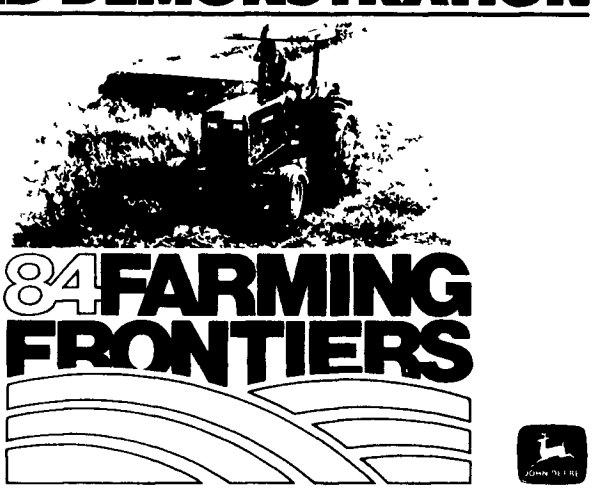

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Count Those Calories

(Continued from Page B6)

BRAISED BEEF SLIMMER

1 1/2 pounds beef bottom round steak, cut 3/4 to one inch thick
1 teaspoon salt
1/2 teaspoon thyme
1/8 teaspoon pepper
1 beef bouillon cube
1/2 cup hot water
2 packages (10 ounces each) cut Italian green beans, defrosted
8 ounces mushrooms, sliced
3/4 cup buttermilk
1 tablespoon cornstarch

Trim separable fat from steak; slowly heat fat in large frying pan or Dutch oven to obtain one tablespoon drippings. Discard fat. Cut steak in 3/4 to one inch cubes; brown in drippings. Pour off drippings. Combine salt, thyme and pepper and sprinkle over meat. Crush bouillon cube and dissolve in hot water; add to meat, cover tightly and cook slowly 1 1/2 hours. Stir in green beans and mushrooms; continue cooking, covered for 13 minutes. Add buttermilk to cornstarch, stirring to blend; gradually add to meat mixture and cook until thickened, stirring occasionally. Continue cooking two minutes. 415 calories per serving.

STUFFED GREEN PEPPERS

8 medium green pepper
1 pound ground lamb
1/2 cup chopped onion
1 1/2 cups seasoned croutons
2 medium tomatoes, chopped
1 can (4 oz.) mushroom stems and pieces, drained and chopped
1 cup (4 oz.) shredded Mozzarella cheese
1 teaspoon Worcestershire sauce
1/2 teaspoon salt
1/8 teaspoon pepper

Cut tops off green peppers; remove seeds and membrane. Pan boil pepper for 5 minutes in enough boiling salted water to cover; drain upside down. Sprinkle inside of peppers with salt; set aside. Meanwhile, brown lamb and onion in skillet until lamb is well browned and crumbly; drain off excess fat. Place lamb mixture in a large mixing bowl. Preheat oven to 350 degrees. Add croutons, tomatoes, mushrooms, half of the cheese, Worcestershire, salt and pepper to lamb mixture. Fill green peppers with mixture. Place peppers in shallow baking dish. Bake, covered with aluminum foil for 25 minutes. Remove from oven and uncover; sprinkle with remaining half of cheese. Return to oven until cheese is melted, about three minutes. Serve immediately. 253 calories per serving.

Bananas Have Double Appeal

LANCASTER — The banana, America's favorite fresh fruit, weighs heavy in some people's minds with an image of a fattening food. Banana splits and banana cream pie are not dishes that generally appeal to the weight conscious.

But like the potato, which often winds up slathered with sour cream or fried in fat, the banana actually is a low-calorie food that can play a role in weight control.

"A medium banana only has 92 calories," notes Donna Higgins, head of Del Monte Kitchens for Del Monte Corporation, the world's third largest banana producer. "But most important, that banana may be the most filling and satisfying 92 calories you can eat."

Contrary to some of the diet books that periodically surface on the best-seller lists, Higgins said no single food or diet is a magical solution to weight loss. The only effective way to lose weight — and keep it off — is to take in fewer calories than you expend.

And the humble banana can be one of the ways that can help people achieve their goal, according to Higgins.

"There is no one perfect food. But the banana certainly is in step with today's trends toward natural, lighter and more nutritious eating," Higgins says. "And with its protective peel, the banana may be the ultimate convenience food."

The U.S. Department of Agriculture reports that bananas:

- Are one of the richest natural sources of potassium
- Contain good amounts of vitamins C, B1, B2 and B6
- Are virtually sodium free
- Are 99.8 percent fat free
- Are a good source of fiber to aid in digestion
- Contain 100 percent available iron
- Are about 20 percent complex carbohydrates
- Have calcium, magnesium, copper, zinc and other essential minerals.

Higgins says that bananas fit into an everyday diet in many ways. A banana for breakfast provides a filling, high-energy food that may help eliminate the urge for a donut or pastry in mid-morning.

A banana in the lunch box is a low-calorie, nutritious substitute for a sugary noontime dessert. For those who eat lunch out, stick a banana in the desk or buy one from a cafeteria on the way back from lunch.

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Make a Mosiac

Seed mosiacs are not only fun to make, they are also easy. That is, after you have collected various sizes, colors and shapes of seeds. You will need: seeds, board, paper or whatever you want to decorate, clear-drying glue and tweezers.

Here's what to do:

1. Collect the seeds. Make sure they are dry. They can be dried in an oven or in the sun.

2. Draw the design lightly.

3. Glue a small area of the design and apply the seeds. You may need the tweezers to place them. Work with one small area at a time. Use lots of glue. Let it dry.

4. Coat the design and seeds with a clear sealer, such as varnish or shellac. Instead of seeds you may want to use small pebbles or shells.

JOKING AROUND

Willy: How are an egg and a horse alike?
Nilly: Both must be broken before being used.

Willy: How do you make gold soup?
Nilly: Put in 14 carrots.

Willy: Why didn't the little boy eat his spinach after his mother told him it would put color in his cheeks?
Nilly: He didn't want green cheeks.

Look for the answers to what the seals are saying in next week's paper.

Happy New Year to All Our Young Readers

COLOR THIS!

1.	BLACK	6.	PEACH
2.	RED	7.	GREEN
3.	YELLOW	8.	LT. GRAY
4.	BLUE	9.	LT BLUE
5.	BROWN	10.	LT. GREEN

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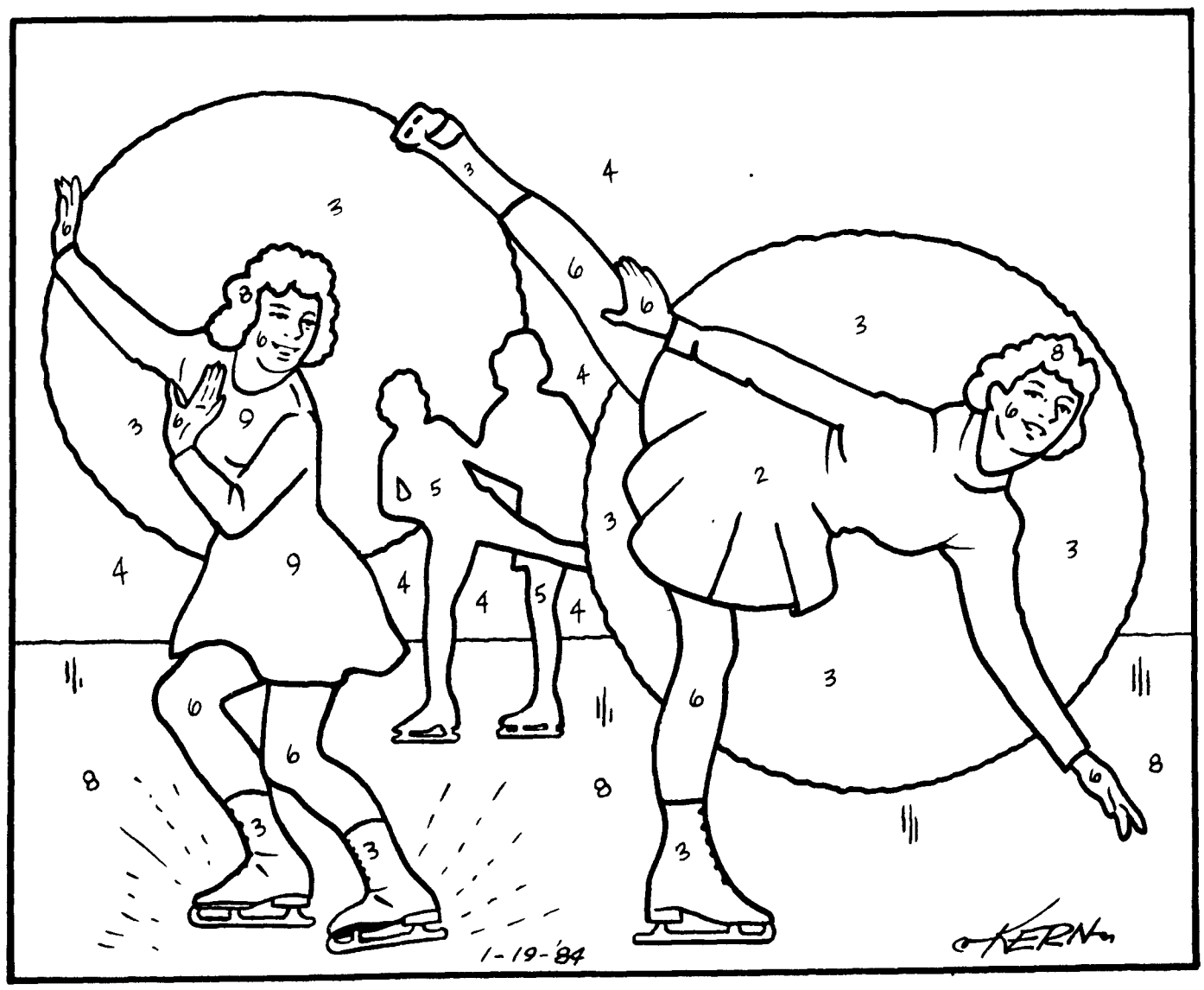

On being a farm wife - And other hazards

Joyce Bupp

As long as I can remember, the lithographed prints of Currier and Ives have fascinated me.

My favorites, of course, are those nostalgic, wintry, snowy scenes of rural life: families coming home for the holidays, children in the snow, a picturesque barn with animals.

You can almost hear the horses stamping and snorting as a handsome sleigh crunches through the snow, laugh with the children's joyous merriment as they slip and slide across the ever-frozen ponds, smell the aromatic wispy smoke floating out the chimney of the sturdy, cozy farmhouse.

The arctic air invasion that held us hostage over Christmas weekend did lend a Currier and Ives touch to the landscape, even though the sparse covering of snow in this area was too skimpy for the full effect.

Dealing with the reality of the freeze scene on the farm, though, leaves one with less than the warm, nostalgic feeling evoked by the homey lithographs of life in the 1800's.

Currier and Ives, my friends, simply couldn't tell it all.

No way could these prints protray the frosty pipes abounding inside those neat barns (and houses!).

Nowhere on the lithographs will you find a herd of heifers quizzically eyeing their caretaker with big, accusing eyes, impatiently mooing a third-degree about the frozen water fountain and when something was going to be done about it.

Careful examination of Currier and Ives materials probably won't show a portrait of a farmer, bundled in layers of clothing, thawing out a sink drain with an electric heater, or shoveling silage into mechanical equipment because the feeder froze up, or hooking up one tractor to tow another because the battery had been chilled to death.

It's doubtful, too, that you'll find a farm wife in any of those lithographs bundled to the hilt in snowmobile footwear, insulated coveralls and ski hat, sliding backwards down the hill, trying to balance two steaming buckets of water for us where the faucets are frozen tight.

But, or course, in those days cattle likely drank from water that ran constantly into a water trough directly from the spring, hot water spigots never froze because there weren't any to begin with, and horses never had to be jump-started to bring their batteries back to life.

You could endlessly debate the merits of the Currier and Ives times against life in the 1980's and never come to a satisfactory conclusion.

But there's one point not even worth a debate about the merits of those nostalgic days.

Did you ever see anyone on a lithographed print headed for the little house of convenience — the one with the half-moon carved on the door — that was usually situated somewhere out back?

So as 1983 rolls into 1984, and another year becomes part of history, my resolution is to be thankful for one other thing missing on Currier and Ives collectibles.

Indoor plumbing.

Happy New Year!

Rabbit summary available

UNIVERSITY PARK — A summary of Penn State's Rabbit Conference talks is now available for $4.00 by writing to: Agricultural Conference Coordinator, 410 J.O. Keller Building, The Pennsylvania State University, University Park, PA 16802

The conference included talks on "A Practitioner Views the Diagnosis and Treatment of Rabbit Diseases," "Residue Control in Rabbits," "Antibiotic Use and Residues in Rabbits Survey Results," "Managing Rabbits to Prevent Disease," "Rabbit Nutrition and Nutrition - Disease Interrelationships," and "Planning and Meat Processing Plant for Rabbits." Also included in the program were workshop discussions covering several current topics and a talk by Assistant Secretary of Agriculture of Pennsylvania, E. Chester Heim.

Program participants included Terry Reed, Peter Cheeke, John Spaulding, and John Harkness as well as nine other speakers and workshop leaders.

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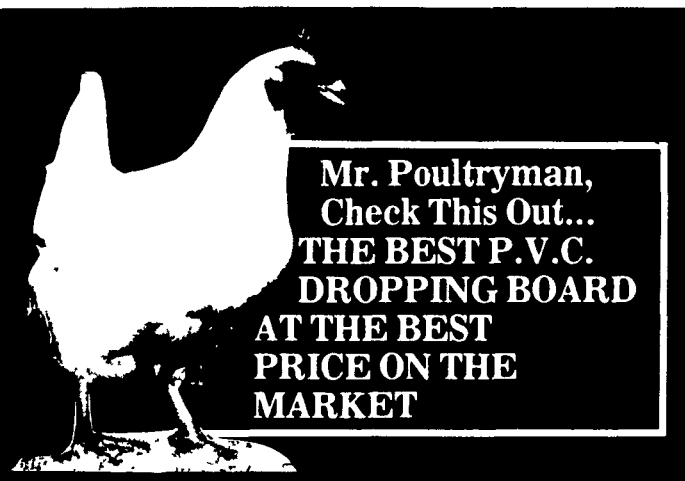
ANNOUNCING



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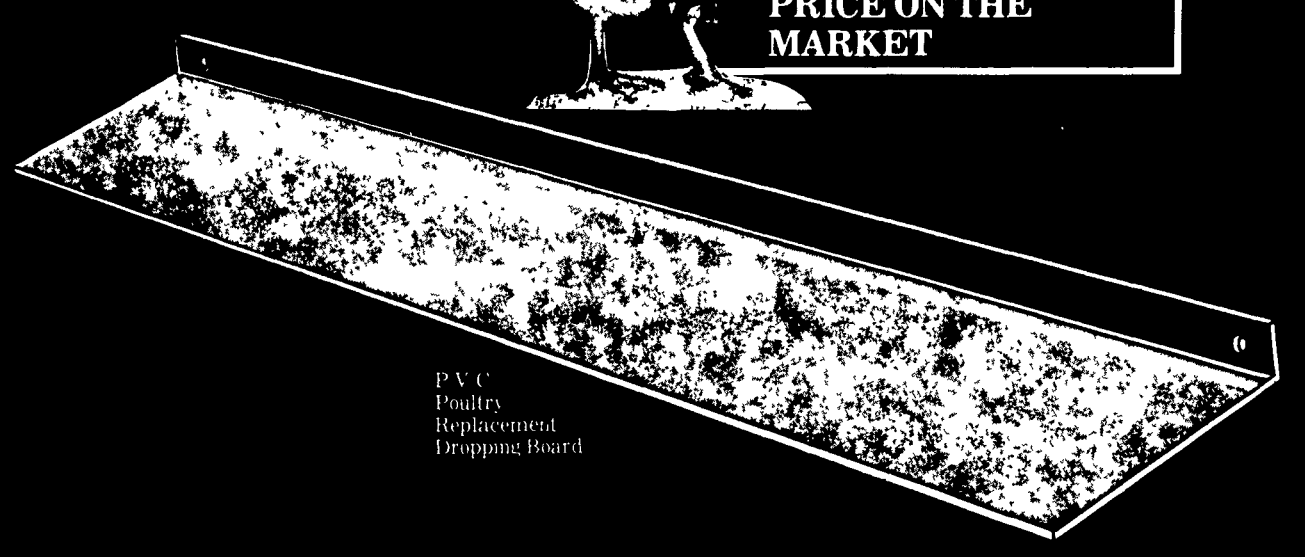

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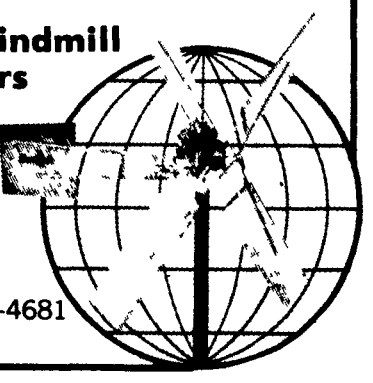
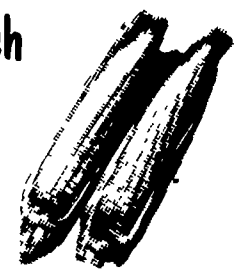


Seeding, Weeding and mulch more



For the avid gardener

Dr. Larry Kuhns and Dr. Robert Nuss, Extension Specialists, stress that potted holly plants require special care to survive until the planting season. Holly, they point out, is not a house plant but will do best indoors if kept in a cool, bright environment. The plant should be watered and lightly fertilized on a regular basis while indoors.

After the holidays, holly plants should be moved to a well ventilated garage or sunporch or to some other cool location. Holly should be planted outdoors after the spring thaw in March or April depending on the area.

How to Care for Holiday Plants

LANCASTER — Flowering plants are always welcome gifts throughout the holiday season. Many have superb flowers which last for days or even weeks with proper care. Here are a few tips to keep them in good health and beauty.

— Give them bright light but not direct sunlight. If you can't, incandescent or fluorescent lamps nearby help, but the heat from incandescents can be damaging.

— Give them cool temperatures. Most like 65F to 70F during the day and 50F to 55F at night. Be careful of cold temperatures near windows and doors.

— Keep them out of drafts, away from hot air registers, cold air returns, radiators, and drafty doors, windows and hallways.

— Keep soil moist but not soggy. Either extremes — bone-dry or water-log — will shorten the life of your plant. Use enough water to soak the entire soil ball until water runs through the drainage hole.

— Remove faded blooms. This prevents seed-set from sapping the plant's strength and will keep the plant attractive.

— Rotate plants once a week to maintain symmetrical growth.

Holly Trees are Unique

UNIVERSITY PARK — Holly trees, traditionally associated with Christmas, are one of a unique species having both male and female plants, according to Richard Craig, professor of plant breeding at Penn State University. The attractive red berries are fruits of the female tree.

Dr. Craig claims holly berries were the "red badge of courage" to the first Indians seen by white men. The Indians used holly berries as decorative buttons on vests, sleeves, trousers, and in the hair — all as a token of success in battle.

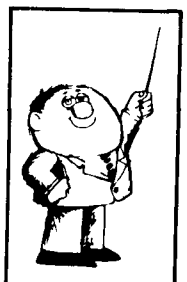
Indians preserved and hardened the holly berries without shrinkage or loss of brilliant color, a lost art today.

Several practices can be followed to extend the keeping life of cut holly, says another Penn Stater, Dr. Dennis Wolnick, in Extension horticulture. As soon as possible after purchase, cut the ends of the stems on a slant, removing about 1/2 inch from the base. Put the boughs or sprigs in a deep container filled with warm water, and place the container in a cool location overnight.

A flower preservative may help to extend the keeping life of holly boughs or sprigs, Wolnick suggested. If used in an arrangement, stems should be placed in a floral foam block, available in flower shops, to provide water.

For best results, keep the holly in a cool, bright location. If this is not possible, move the holly to a cooler location at night. The most common problems are related to drying. When too dry, leaves and berries will become discolored or drop off. Fumes from a gas stove can also cause leaf and berry drop.

Some of the most widely available holly plants are the "blue hollies." These are patented and carry the following names: Blue Girl, Blue Boy, Blue Princess, Blue Prince, Blue Angel, and Blue Maid. They are available as potted plants and are extremely winter hardy for growing outdoors. These holly are termed "blue" for their purplish-blue, glossy foliage and stem color in winter.



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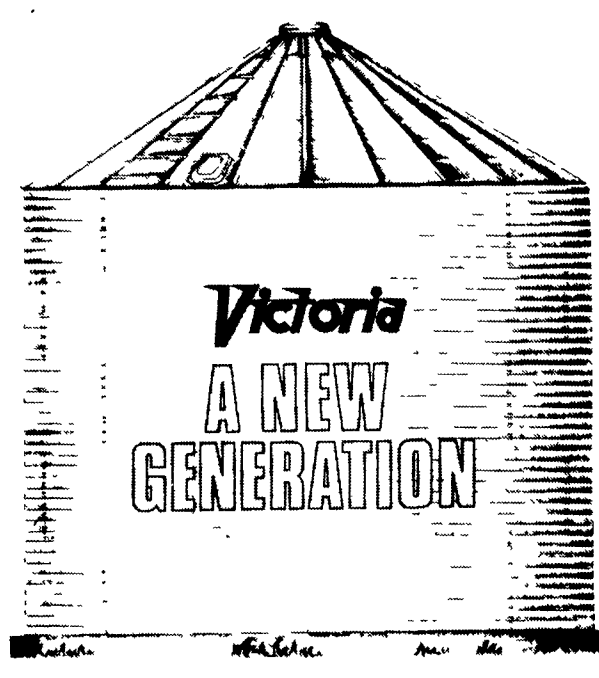

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However, evergreens can dry out and drop their needles and berries easily. Then they can be a fire hazard or at least a mess. Before you use them in arrangements or decorations, spray narrow and broadleaf evergreens with an antidesiccant spray. It coats the needles, berries and stems with a film of plastic and retards moisture loss.

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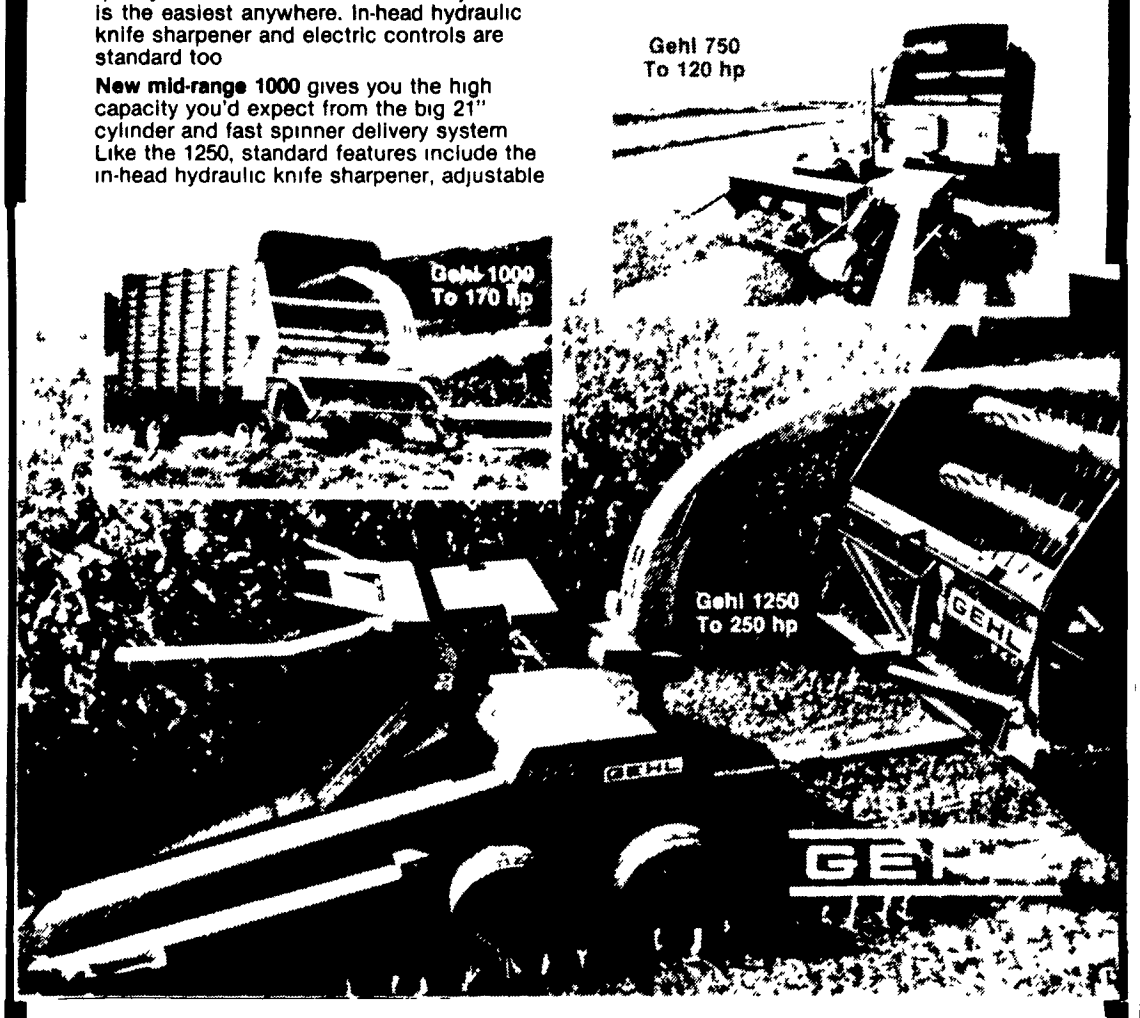

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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

FOOD GIFTS REQUIRE SPECIAL STORAGE

Foods are popular gift items but require special storage care if they're to be enjoyed completely. If you receive a gift package of food, follow the directions for storing each item. The package may say that an item such as vacuumed packed salami may not need refrigeration. But if you don't plan to use the food right away, refrigerate it. Salami, for example, could dry out if left at room temperature too long.

Top quality canned goods should last up to a year. But before you eat any canned goods, check for bulges or leaks in the can. Sardine cans particularly have a tendency to bulge because of the bacterial action in the fish. If you see signs of bulging or leaking in any can of food throw it away.

Cheese is a popular gift item and if you receive more than you can eat, it's best to freeze it. To freeze cheese, cut it into normal serving chunks, secure each individual piece tightly in plastic wrap, place the pieces in plastic bags, label and freeze.

When you're ready to use the cheese, take out only the amount you need and place it in the refrigerator to defrost slowly for a couple of days. If cheese defrosts too fast it may be crumbly. Defrosting it slowly in the refrigerator will help the cheese keep its creamy texture. Most cheeses, except cottage cheese, will freeze well.

Other popular food gift items include nuts, jams and jellies, all of which should be refrigerated after opening. Nuts can also be frozen to prevent them from becoming dry or rancid — this applies even to nuts in the shell. Some canned hams also require refrigeration — be sure to read the label.

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Holidays and Farming:

Two Family Traditions

KIMBERLY HERR

QUARRYVILLE — It's that time of year again when families and friends gather together to share the holiday season.

For many, it is a time when families travel from far and wide to be with their parents or brothers and sisters for Christmas and New Year's Day, but for the Clair DeLong family, the distance traveled is a lot less.

It simply means driving down a lane, or, in nice weather, walking across a field, at least for Clair and Miriam's three sons, Jim, Ken and Gerald.

All three of the DeLong sons now farm land which adjoins their parents' farm. The DeLongs own about 450 acres and rent an additional 100. They own the real estate and their sons do the farming. Their operation consists of dairy cows and farrow to finish hogs.

So, while the holidays are still a special family time for the DeLongs, every day sees the family working together.

"As we bought the land, the boys expressed a desire to keep farming," Clair said. "This is another reason why we bought the land when it came available."

Clair and Miriam explained that they bought their first farm one year after they were married. Then in 1966, they bought a neighboring farm of 125 acres. Two years later, according to Clair, they bought another neighboring farm of 109 acres. Within one year, 30 additional acres were added. And then in 1974, they bought the farm Clair and Miriam now live on, which was Miriam's home as a child. "I lived her until I was 21," she said.

Clair explained why he encouraged all three of his sons to continue in farming.

"I think it's a good way of life," Clair said of farming. "It takes skill to be a farmer and you have to be able to make do for yourself."

With the high cost of operating, equipment and land, I think it is the only way young couples can get started in farming today, with the support of their parents," Clair said.

And Miriam explained how having the boys on the neighboring farms has helped their whole farming operation.

"With farming the way it is today, we can utilize all their (her sons) skills," she said.

But, regardless of how close the family is there are always differences of opinion.

"It takes a lot of giving and taking, being able to cooperate with each other," Clair said.

Even their family Christmas celebration requires planning and cooperation.

The DeLongs plan it so that Miriam has Christmas Day dinner every other year, and during alternate years the family gets together for Christmas Eve at one of the children's houses.

During the holidays, there is only one member of the family that has to do more than walk to the next farm. Clair and Miriam's daughter, Susan DeLong Stoltzfus, lives in Cochranville with her husband, Marvin, and their two sons, Chad and Devin.

A Christmas Day at the DeLong household starts out with doing the milking and "necessary chores," according to Clair. Then, everyone gathers at the large table in Miriam's kitchen for a dinner of capons. And this Christmas, dinner was followed by some presentations from the grandchildren.

Jenny, age eight, who is the daughter of Jim and Martha DeLong, gave a reading, while Chad, age four, recited a poem he had learned in church. Then three-year-old Jonathan, Ken and Eleanor DeLong's son, and Devin, age two, joined in to sing Christmas carols.

"This is a tradition I want to keep doing," Miriam said.

Clair and Miriam DeLong have made farming a family tradition. Their three sons farm land that borders their farm.

Miriam's kitchen table is the scene of another family tradition during the holidays. Every other year, she has her family over for Christmas dinner. During alternate years, the family gathers on Christmas Eve.

Miriam DeLong always accompanies husband, Clair, on hunting trips. While he's hunting she does handcrafts. Shown above are some of her handmade quilts and a knitted Christmas stocking.

BACK HOME

By Michelle S. Rodgers

Lancaster Extension

Home Economist

Resulting In Better Resolutions!

Well, the new year is dawning. This year it really seemed to sneak up on me — I think the fact that it comes on a Sunday makes it seem earlier.

This time of year, the traditional greetings include, "Are you ready for the New Year?" or "Are you ready to make your resolutions for 1984?" Well, what improvements have you made from last years resolutions? Quite honestly, I can't even remember what mine were. I guess that's some indication of my success.

It is traditional to spend some time at the close of each year looking over the past twelve month's events and making some plans for the coming year. This might be especially enjoyable as a family time activity. Try recalling some special events and family times that occurred during the past year.

I'm sure that New Year's resolutions started out as a very noble deed. It is really not a bad idea to evaluate oneself and make some concrete plans for change in the new year. But, alas, all is for naught, if your New Year's Resolutions are like mine. They never seem to last through the month of January, let alone the next eleven months.

In evaluation, I realize that much of my problem is in the scope of my resolutions. My latest resolution is to make a better list! If your list of resolutions is longer than two typed pages or resembles an instruction manual, it is the time to prioritize the list. "I will never be late", is one resolution I would eliminate. I haven't achieved that yet, and it's doubtful that one more listing this year will help!

Another shortcoming in resolution writing is when we make them so vague that it is impossible to feel any success. One such example is, "I will not get uptight as much." As much as what? Of course you mean you will feel less stress than last year, but do you have electrodes monitoring your stress level?

Then the other extreme is making resolutions too specific. "I will do the laundry every Thursday," Terrific! You now have 52 chances to blow it. That's not very good odds. Realistically, every so often would be more practical for me.

Try to set achieveable goals and make room for mid-year amendments. If you are planning to save $500.00 this year, you should probably amend that if you receive a $4,000 raise in July.

So with the coming year, 1984, our New Year's Resolutions should be ones that are concrete, measurable, realistic, achievable and amendable.

Does this sound like too much bother? Well, if we really want a new year of prosperous personal growth, we need to set some goals. Whether we set our goals on December 31, June 5, or October 30 makes no difference. But what else would we do this New Year's Eve?

Have a Happy 1984!

This caribou from Quebec hangs in the DeLong's family room. Clair explained that the only way he could take a vacation was to get away from the farm. He explained that his main hobby was hunting.

Other traditions include getting together with Clair's family the night after Christmas. There are usually about 40 family members in attendance, and everybody brings a food dish of some kind.

When New Year's Day rolls around, the DeLongs do not have the traditional Lancaster County pork and sauerkraut. Instead, Miriam usually makes fried oysters, fish and shrimp. How do the DeLongs celebrate the first day of the new year?

"Some go hunting, some watch football games," Clair laughed.

While New Year's Day is a time for family members to do what each of them enjoy doing, most of the year sees the family working together.

"All things work together for good," Miriam said, quoting Romans 8:28 from the Bible. This and Psalms 46, which reads "God is our refuge and strength," are verses that Miriam and her family live by.

Ida's Notebook

Ida Risser

Again the year has drawn to a close and we face a new year with hope for a happy future. No one knows what the coming year will bring but we can always expect something good to happen, even if it doesn't always turn out that way.

This year my husband and I have both been tied down to the farm. Our six children are all off on their own, either studying at colleges or working and living in homes of their own. So father milks and tends livestock and I raise the food that we eat and keep the house in order. I'm sure we'd both sooner be busy than idle — maybe not quite so busy.

One day just before Christmas, we and our daughter Judy took a day trip to Pennsbury Manor near Philadelphia. This is the reconstructed home of William Penn the founder of Pennsylvania. He chose the bend in the Delaware River to build his magnificent Country Estate in 1683. The plantation has numerous outer buildings such as a brew and bake house. I'm sure the gardens and orchards would have been beautiful in the summer or spring. The house was furnished with 17th century pieces and the rooms were enormous. We had a tour with a group of school children and they had many questions for the guide who was dressed as a servant.

On our way home we stopped at the town of Lahaska. It is best known for Peddler's Village which contains 42 charming shops and restaurants. Judy treated us to luncheon before a large walk-in fireplace with a blazing fire and antiques artfully displayed throughout the room. It was a nice change from our workday world here on our dairy farm.

Vegetable meeting set

TERRE HILL — The Eastern Lancaster County Adult Farmer Program will sponsor a meeting on Growing Vegetable Transplants on Wednesday at 7:30 p.m. at the Union Grove Alternative School.

Tim Hellberg, general manager of Groff's Greenhouse Supplies will discuss soil, containers, fertilization, disease control, and greenhouse management to include ventilation, heating, and watering. Amos Funk, Millersville vegetable grower will also share some of this expertise and discuss the scheduling of seedings to have them ready to transplant at the correct time.

This meeting should be of interest to all commercial growers and anyone who starts transplants. The meeting is open to the public. The Union Grove Alternative School is located on route 625, 2 miles north of Rt. 23. For additional information, contact Mr. Robert Anderson at (215) 445-5041.

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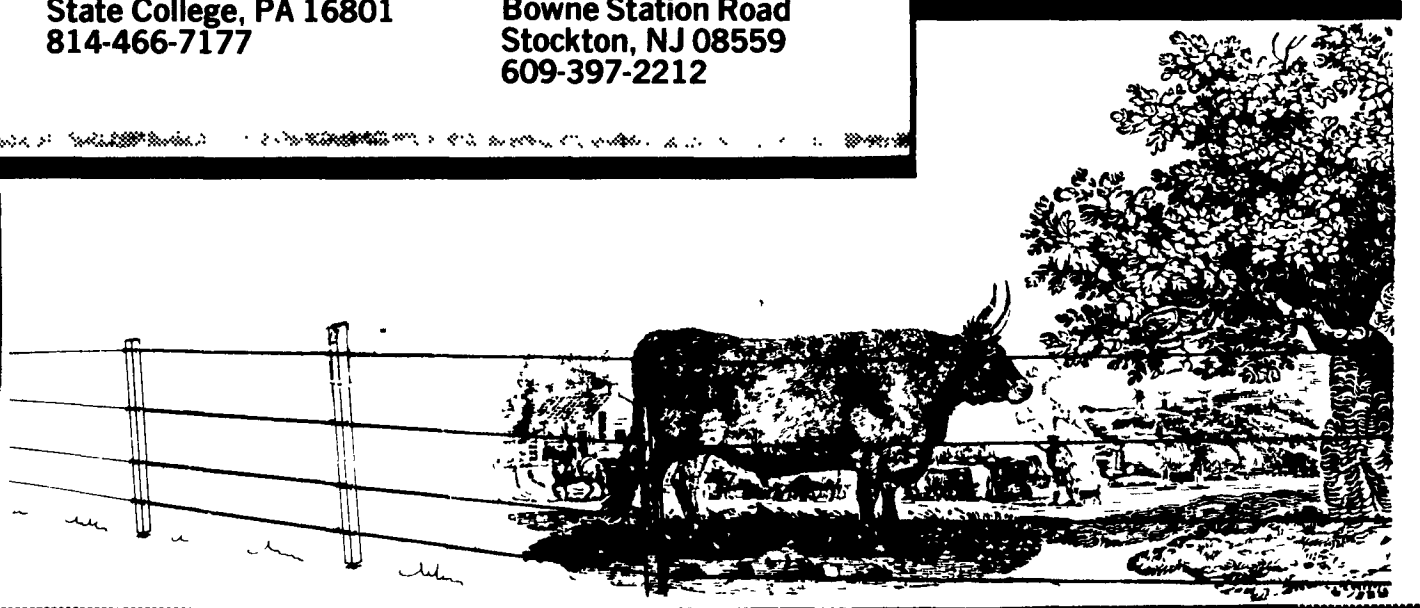

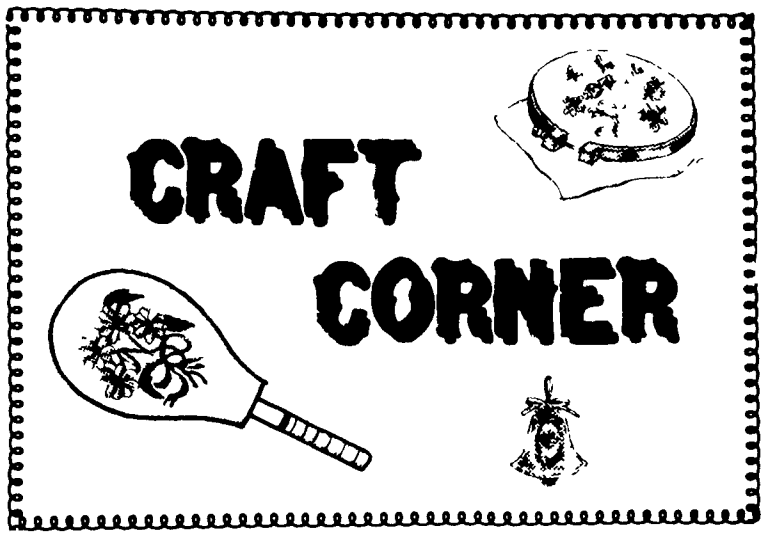

Variations on a cross-stitch

Why just cross-stitch, when by varying your stitches, you can create delicate floral accents, realistic-looking baby's breath, and beautiful messages? With just a few simple stitches, you can make any cross-stitch sampler spectacular.

The "Heart of Love" shown here is a cross-stitch design, with "lazy daisy" flowers, french-knotted baby's breath and a back-stitched message. The heart is available as a kit by writing to the address that follows this column. Some stitch instructions, however, also appear below.

A cross-stitched heart is a wonderful remembrance of weddings, anniversaries, Valentine's Day or even a special Christmas. Even without a message inside, the heart speaks for itself.

By learning to back-stitch letters, you can stitch names of a happy couple or anyone you love, along with a wedding date, anniversary or birthday. As an alternative, you can stitch the message shown, a favorite saying, or your own personal message.

As in cross-stitching, back-stitches are worked through the holes in your cross-stitch cloth French knots are worked through both the holes and adjacent fabric squares.

With the cloth to guide you, stitches are evenly spaced and easy to do. Here are directions for the knots and back-stitch:

DRAWING LETTERS: 1. Write your words on graph paper as they would appear on your sampler 2 As much as possible, draw lines by connecting holes. 3. Allow one space between each letter.

STITCHING LETTERS: 1. Find center of chart and center of fabric 2 Count fabric squares to find upper left-hand corner of design This is your starting point 3 Work letters with the back-stitch 4 Dot "i's" and "j's" with french knots.

BACK-STITCHING HINTS 1 Work all vertical, horizontal and short diagonal stitches one square at a time, as described in back-stitching steps two and three 2. Wherever needed to smooth out lines in your letters, take long diagonal stithces over two squares (a).

FRENCH KNOTS· 1. Thread needle with three strands of floss 2 Bring needle up through hole in fabric. 3. Wrap thread around needle. 4. Bring needle back through fabric just beside the hole (b)

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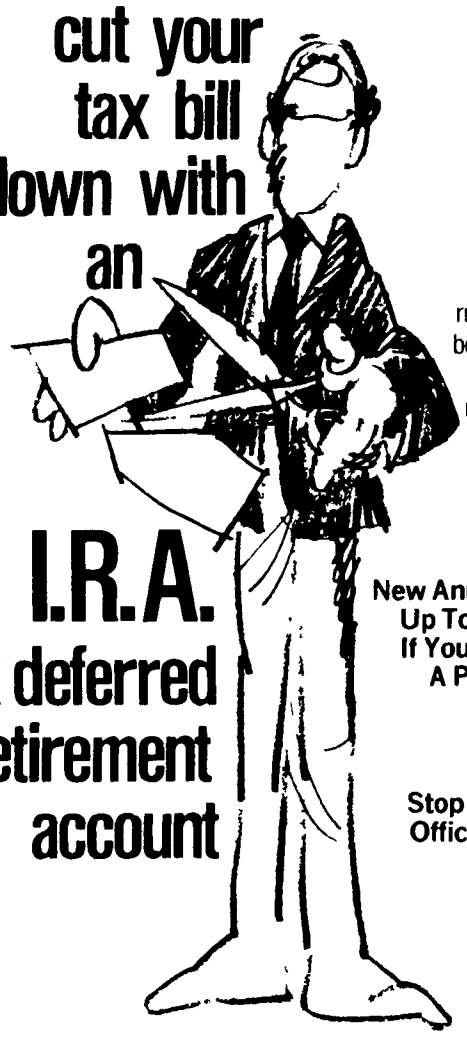

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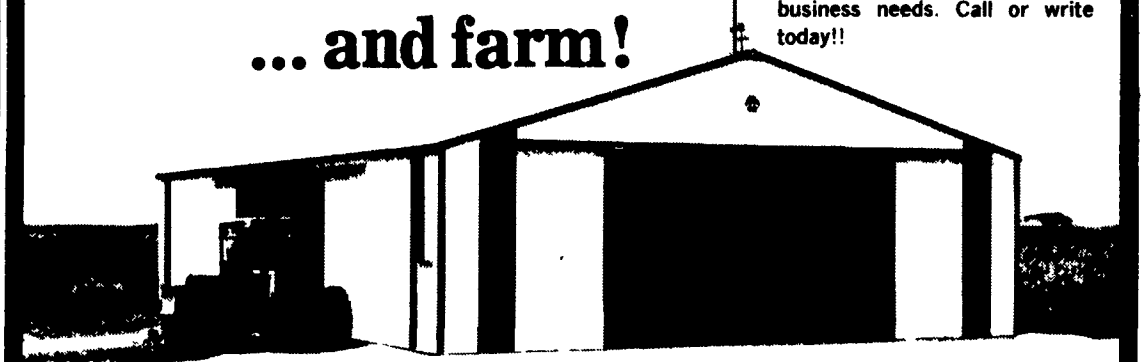

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4-H Leader Honored

NEWARK, Del. — Sylvia Walther clearly remembers joining the Bear 4-H Club when she was 10 years old and her mother was leader. One season followed another, and eventually Sylvia graduated to the leadership role.

The years continued to fly by, and recently Sylvia Walther was honored for 35 years of distinguished service as a 4-H club leader. Now, one year shy of her mother's longevity record as a volunteer, she's working with the grandchildren of friends she made as a young club member.

Although work on the family farm keeps her plenty busy, Walther always finds time to help her 4-H'ers develop an act for the talent show, a recipe for International Foods Day, or a winning exhibit for the Delaware State Fair. She feels 4-H work keeps her young and involved.

Every year at Christmastime, Walther and her club members serenade senior citizens with Christmas carols and help the children of Avon employees come up with affordable gifts to surprise their parents.

Walther has been part of many 4-H success stories. Some of the youngsters she encouraged in dairy, swine, and horse projects now have livestock farms of their own. One of her health project girls became a nurse. And any number of good cooks, woodworkers, and home seamstresses learned their basic skills under her guidance. Some talents seem to reappear in each generation of a particular family.

Walther estimates she has worked with at least 400 youngsters over the years. About half have settled in the area, and many stay in touch. Walther's 4-H'ers are important to her, and she to them.

After all these years, Sylvia Walther continues to be a 4-H leader, not just because her mother did, or because it's nice to feel needed and appreciated. Mostly, she does it because she believes young people need all the help and care they can get.

4-H leader Sylvia Walther has taught three generations of young people to appreciate nature.

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It's Bird Feeding Time

LANCASTER — Now that winter is approaching and the first killing frosts have appeared, it is time to give some consideration to the birds.

Feeding the birds is not only a rewarding past time, it also is a life-saving activity for many birds, especially those which range in remote areas where food can become very scarce. But, before you start feeding the birds, we suggest that you consider the following:

The most important thing to remember is that unless you intend to supply food daily without interruption you should not undertake a feeding program. The birds depend on the reliability of your food supply and any interruption of food supply may cause needless hardships and sometimes death for birds that rely upon the food especially in remote areas. Continuity of feeding is less serious in suburban locations where you may be competing with other neighbors for attention of the birds.

Birds which visit feeders can be divided into four major groups.

1. Seed-eaters which feed either on the ground or close to it. Native sparrows belong to this group. They prefer seed which has been thrown on the ground or which drops to the ground from hanging feeders.

2. Seed-eating birds which prefer to feed above the ground. Finches are considered part of this category. Feeders hanging from a branch or which stand on a pole having the staple food of sunflower seed is best.

3. Insect-eating birds, chickadees and woodpeckers, prefer to feed above the ground. Suet is a good substitute for insects in their natural diet. Many of them enjoy sunflower seeds and peanut butter.

4. Birds which do not fit any of the preceeding categories and are too individualistic to be lumped in regard to food preferences. Among these birds are such species as orioles and mockingbirds. If you hang fruit such as raisins, chopped apples from branches, this food will attract mockingbirds.

The best feeder to start with is a tray or platform feeder, either hanging or set on a pole. The ideal feeder should have a roof to protect the seeds, a raised edge to keep them from blowing away, and a hopper to reduce the chore of replenishing.

Birds prefer to feed in the sun and out of the wind, and are especially eager to feed in the morning and late afternoon. Birds will come to your feeders with less hesitation if cover or shelter is nearby.

Bird seed can be purchased from many different places-grocery stores, hardware stores, nature centers, etc. Nature centers and Audubon sanctuaries usually have a greater variety of seed to choose from. Purchasing seed from nature centers or conservation groups will aid the group or center as the monies from bird seed purchases go toward conservation projects.

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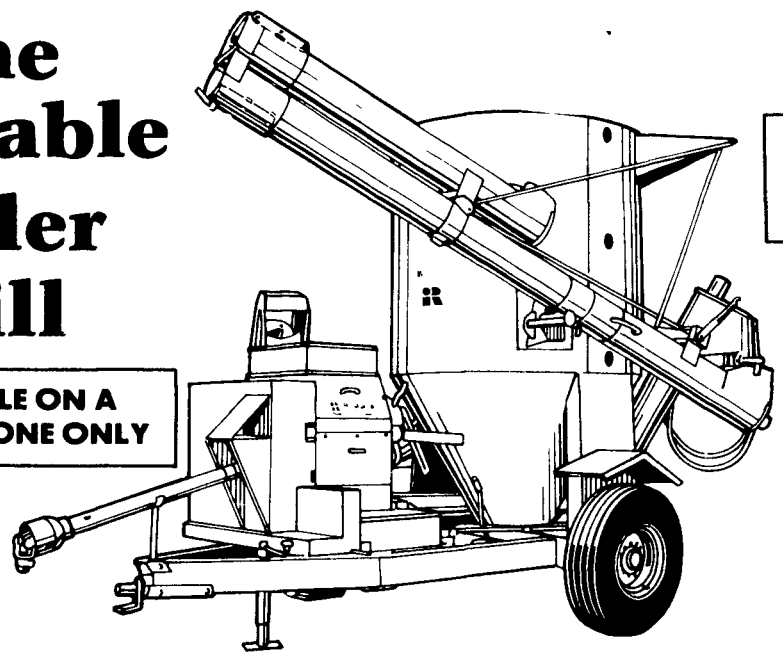

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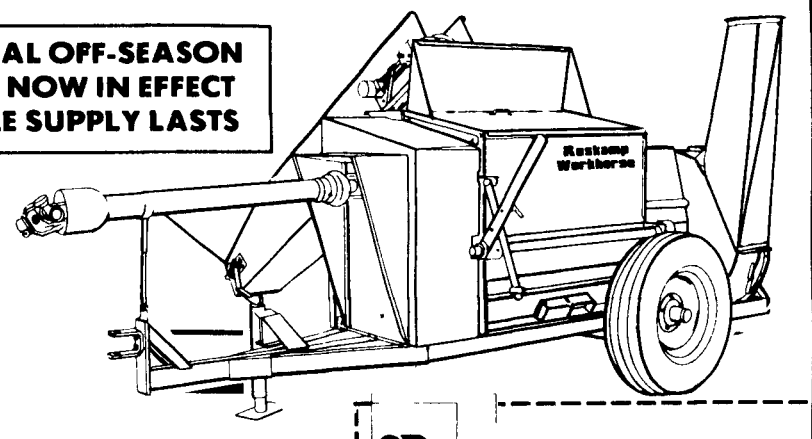

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Farm Women Societies

Lancaster Society 3

Lancaster Society 3 met recently for a musicial slide and film presentation on the "Beauty of God's Creation," presented by Rufus M. Brubaker, Manheim.

The members will meet at 9 a.m. Jan 4 at the home of Alice Trumbauer to make cancer pads. Bring a salad or dessert for a shared lunch. Also bring needle, thread, scissors and old sheets.

The next meeting will be Jan. 21 at the home of Mildred Pfautz.

Lancaster Society 5

Lancaster Society 5 met recently at the home of Mary Emerick, Manheim R7, for a Christmas party. A doll display was also featured.

Three children dressed as dolls and acted as hostesses for the meeting. Santa Claus also made an appearance.

The next meeting will be Jan. 24 at the home of Anna Ruth Ebersole, East Petersburg.

Lancaster Society 34

Lancaster Society 34 met recently at the home of Kim Myer. A report was given on the Bart Fair, and it was announced the Society will sponsor a Decorama of Home Interiors in March.

Gifts were exchanged, and secret pals were revealed. The next meeting will be Jan. 16 at the home of Joyce Holloway, and the program will be a five-cent taster's delight.

Berks Society 6

Berks Society 6 met recently at the home of Mrs. David Hauseman, Boyertown R4, to make fruit baskets for the shut-ins of the community.

A Christmas party also took place at the Gilbertsville Firehall. New officers were installed, and The Basics provided the entertainment.

The Jan. 17 meeting will take place at 8 p.m. at the home of Mary Youse, Oley R2. Members are asked to bring their by-law books. There will also be a coupon exchange.

Green Valley Society 26

Green Valley Society 26 met for a Christmas party recently, with 20 members in attendance. Three members will attend the State Convention in Harrisburg.

NY Dairy Princess full of enthusiasm

SYRACUSE — "Nothing great can ever by accomplished without enthusiasm," says Patricia Ellen Patterson, the 1983-84 New York State Dairy Princess. That's just what the daughter of Mr. and Mrs. Patrick Patterson of Watertown has - lots of enthusiasm!

Since she was crowned New York State Dairy Princess on August 17th. Patty has been actively selling milk and milk products throughout New York State. "I'm really busy, but I enjoy what I'm doing and wouldn't trade it for anything," says Patty. Her appearances have included the New York State Fair, International Milk Day, a McDonald's "REAL" Seal promotion and television appearances, as well as numerous radio spots, banquets and annual meetings.

"I try to reach out to consumers to sell milk and all milk products as valuable and nutritious parts of a healthy life." Patty is a senior at General Brown High School, Dexter, N.Y. and is interested in pursuing a career in Nursing. She is also an integral working member of her family's dairy farm.

Patty's home farm, Patterson Farms Dairy, is categorized as an independent producer-dealer farm. The Pattersons do everything from milking cows, to processing and selling their own milk.

"We milk about 300 cows, three times a day, so we can keep up with the demand for our products," Patty explains. "All our milk is processed in our own milk plant and then most of it is sold in our own dairy store." The Pattersons are especially well known for their 4% butterfat chocolate milk.

Patty is looking forward to an exciting year as the New York State Dairy Princess. Her goal for herself and advice for the State's 43 County Princesses is to always put forth their best effort.

"My goal is to give 102% all year long," exclaims Patty. With her hard work and positive attitude, Patty serves as an invaluable asset to the dairy promotion program.

New York State Dairy Princess
Patricia E. Patterson

FWS Calendar

Tuesday, Jan. 3
Lancaster Society 23 meets for a program by Goldie Groff.

Saturday, Jan. 7
Lancaster Society 6 meets for an "Opening Doors" progam by Anna Geyer at the home of Mrs. Bernard Thome.

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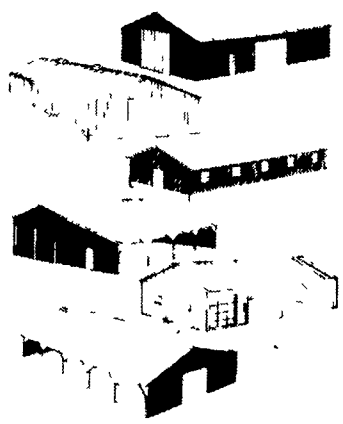

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TRUSSES

Milk diversion contracts due by Feb. 1

UNIVERSITY PARK — Pennsylvania dairy farmers are faced with an urgent need to make an important decision by February 1. To be paid for marketing less milk under new price support legislation, farmers must contract by February 1 to reduce marketing by 5 to 30 percent below the amount sold in 1981 or 1982.

If a contract is not arranged, dairy farmers will receive no payment, no matter how much they reduce marketing during the 15 month period from January 1, 1984 through March 31, 1985. Contracts must be made through county offices of the Agricultural Stabilization and Conservation Service (ASCS).

Payments of $10 per hundredweight will be made for qualified reductions in marketing, says Blair J. Smith, agricultural economist at The Pennsylvania State University. Dr. Smith and associates have mailed a "milk marketing alert" to all county Extension Service offices in Pennsylvania.

In bidding for a contract, Dr. Smith explained, a dairyman must specify how much of a reduction he plans to make, and how he will accomplish that reduction. If he plans to cull cows to attain a specified reduction, he must indicate both how many and when he will get rid of the cows, including the number he normally would have culled.

There are restrictions as to how the cows may be disposed of, Dr. Smith noted. Basically, if cows are culled they must either be sold for slaughter or sold to another producer who is holding what is termed a diversion contract. The dairyman must also certify that he will not offset the reduction in one milking herd by increasing production in another herd.

Once the contract bids have been received by the ASCS offices, they will be reviewed by the U.S. Secretary of Agriculture. The Secretary will either accept the bids or make counter offers.

"The Secretary will regulate the overall marketing decrease," Dr. Smith stated. "He might adjust the percentage of reductions on each contract, except for those dairymen who propose to go out of business altogether."

"At this time, it is not known what the total desired reduction will be," the Penn State economist commented. "It is up to the discretion of the Secretary of Agriculture as to how much he will allow milk marketings to be reduced."

Dr. Smith described the new price support legislation as "one of the most important dairy programs to come along in many years." He urges dairymen to become informed of the "paid diversion" feature of the new bill.

In the short run it will probably pay most dairymen to participate in the program, he said. The long run benefit to dairymen is not as clear, however. In any case, each dairyman must evaluate his own particular situation.

Materials helpful to dairymen in making decisions of whether or not to reduce marketing will be available soon from offices of county agricultural agents, Dr. Smith announced. Worksheets will be available to use in figuring individual costs and in making decisions. More details on the mechanics of the new price support program will also be forthcoming, he added.

Other features of the bill are a 50 cent reduction in the support price for milk on December 1, 1983, from $13.10 to $12.60. On the same date, the second 50 cent assessment was discontinued, leaving just the first one, not refundable, in effect. Finally, all milk marketed will be assessed 15 cents per hundredweight to finance the advertising of milk and dairy products. These deductions will not begin, however, until the required administrative procedures have been carried out by the U.S. Secretary of Agriculture.

Soviet grain talks set

WASHINGTON, D.C. — The first session of regular, semi-annual consultations called for under the new U.S.-Soviet long-term grain agreement is scheduled for Jan. 24-25 in London.

The agenda will be the same as that followed in consultations under the old agreement, according to Under Secretary of Agriculture Daniel G. Amstutz, who will head the U.S. delegation. It will include a review of the worldwide and U.S.-USSR grain situations and the status of and prospects for shipments and sales in the current agreement year, which began in Oct. 1.

Soviet Deputy Minister of Foreign Trade Boris Gordeev will lead the USSR team.

The long-term agreement calls for the Soviet Union to take a minimum of 9 million tons of grain annually. That country has bought 6.7 million tons of wheat and corn and 400,000 tons of soybeans, so far, for shipment in the current agreement year.

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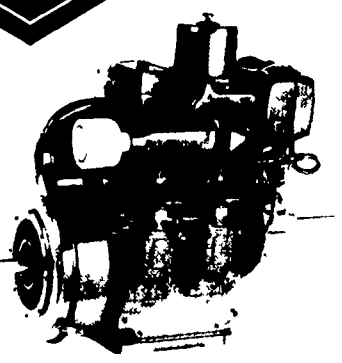

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Heisey, Bomgardner Win Honors at 4-H Round-Up

BY KIMBERLY HERR

LEBANON — The grand champion steer at the Lebanon County 4-H Steer Round-Up was no stranger to the show ring. It had also taken grand champion at the Lebanon County Fair this fall.

Owned by Kelly Heisey, daughter of Mr. and Mrs. Mark Heisey, Lebanon R7, the Chianina-Angus cross weighed in at 1383 pounds.

Kelly, age 15, is a member of the Lebanon Area 4-H Livestock Club. She has been showing at the round-ups for about five years and won grand champion four years ago.

The buyer of Kelly's steer at the sale Tuesday was Dutchway Farm Market, Myerstown. It brought $1.30 per pound.

The average price for steers per pound was 82 cents, including the champion. Without the champion, the average was 75 cents.

The reserve champion steer was owned by Jeff Bombgardner, Annville R3. His steer was a 1295-pound Limousin-Angus cross. It was purchased by the Lebanon Valley National Bank for 90 cents a pound.

The lightweight champion at the show belonged to Daryl Bomgardner. Reserve went to Edwin Houser.

The champion buddy steer was owned by Bryan Eberly, while the reserve buddy steer was owned by Dorene Eberly.

In the fitting and showmanship division, Kelly Heisey took champion fitter, while Jeff Bomgardner took reserve. The champion showman went to Daryl Bomgardner, with Bryan Eberly winning reserve.

Also taking place Tuesday was the hog sale, following the 4-H Pig Round-Up Monday night.

The grand champion pig was owned by Jeff Bomgardner, son of Mr. and Mrs. Charles Bomgardner, who also won reserve champion with his steer. He and his family own about 100 hogs on their farm, according to Jeff.

Jeff, age 10, has been showing at the Lebanon Round-Up for three years, winning grand champion the first year, reserve champion the second, and now grand champion again. He is also a member of the Lebanon Area 4-H Livestock Club.

His pig was a Duroc-Hampshire cross, weighing 218 pounds. It was purchased by Hatfield Packing Company for $2.20 a pound.

The reserve grand champion pig was owned by Jodi Kreider. Her pig was a Yorkshire cross, weighing 234 pounds. It was purchased for 2.50 per pound by Dennis Grumbine and Sons, Myerstown.

The average price for pigs per pound was 86 cents, including the champion. Without the champion the average was 83 cents.

Champion fitter in the pig round-up went to Kris Kirst, while reserve went to Jeff Bomgardner. Champion showman was Jodi Kreider, with Daryl Grumbine winning reserve.

Lightweight champion went to Kathy Bomgardner, with Darren Grumbine winning reserve. Mediumweight champion went to Jeff Bomgardner, and Jodi Kreider took mediumweight reserve. Light heavyweight champion went to a pig owned by David Simmon, while Eric Harnish's animal took reserve.

The heavyweight champion went to Jodi Kreider, while Eric Harnish took reserve.

Additional results of the show follow:

Lightweight pigs: Class 1, Jeff Bomgardner, first; Brian Kreider, second; Kris Kirst, third; Class 2, Kris Kirst, first; Jodi Kreider, second; Ellen Hanson, third; Class 3, Kathy Bomgardner, first; Darren Grumbine, second; Jeff Bomgardner, third.

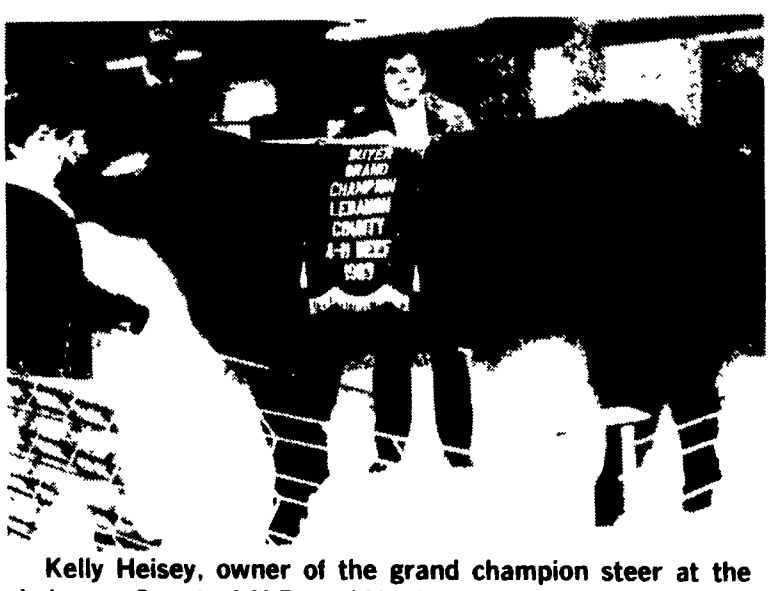
Mediumweight pigs: Class 1, Jodi Kreider, first; John Risser, second; Ellen Hanson, third; Class 2, Jeff Bomgardner, first; Darren Grumbine, second; Daryl Bomgardner, third; Class 3, Daryl Grumbine, first; Rodney Bomgardner, second; Kris Kirst, third.

Light heavyweight pigs: Class 1, David Simmons, first; Kathy Bomgardner, second; Brian Kreider, third; Class 2, Jay Kleinfelter, first; Daryl Bomgardner, second; David Simmons, third; Class 3, Eric Harnish, first; Kathy Bomgardner, second; Rodney Bomgardner, third.

Heavyweight pigs: Class 1, Jodi Kreider, first; Eric Harnish, second; John Risser, third; Class 2, Daryl Grumbine, first; Rodney Bomgardner, second; David Simmons, third; Class 3, Eric Harnish, first; Jay Kleinfelter, second; Brian Kreider, third.

Six pigs were chosen to go to the Farm Show. They are the animals of: Rodney Bomgardner, Daryl Bomgardner, Jeff Bomgardner, Darren Grumbine, Daryl Grumbine and David Simmon.

Jeff Bomgardner, owner of the grand champion pig at the Lebanon County 4-H Round-Up, is shown with Jerry Clemens who purchased the pig for Hatfield Packing Company.



Kelly Heisey, owner of the grand champion steer at the Lebanon County 4-H Round-Up, is shown with David Martin from Dutchway Farm Market, buyer of the champion animal.

Jeff Bomgardner poses with his reserve champion steer and the buyers from Lebanon Valley National Bank. From left are, Scott Artz, Mike Firestine and Dan Forcey.

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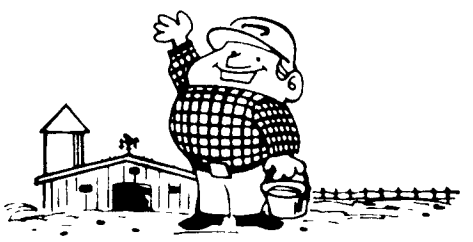

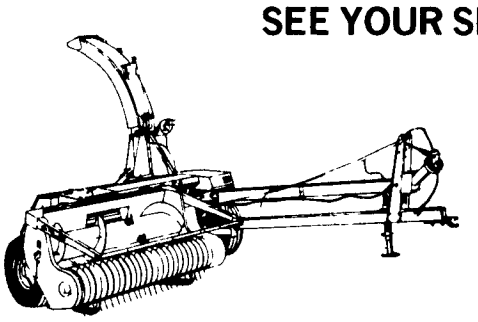

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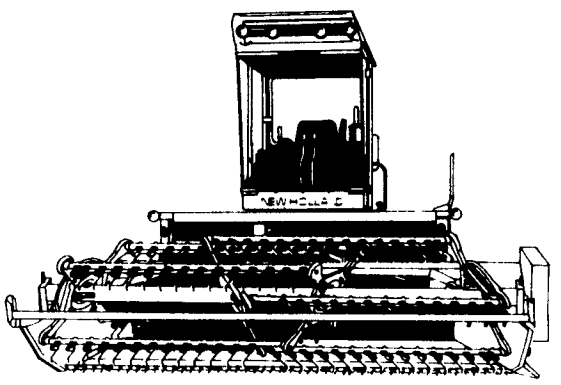

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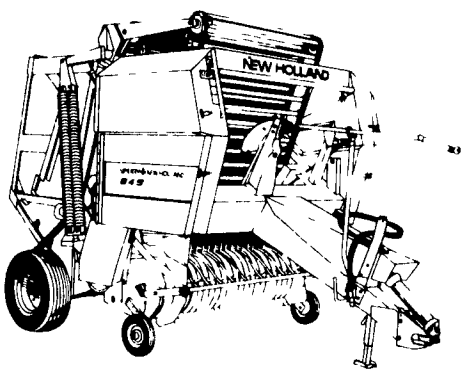

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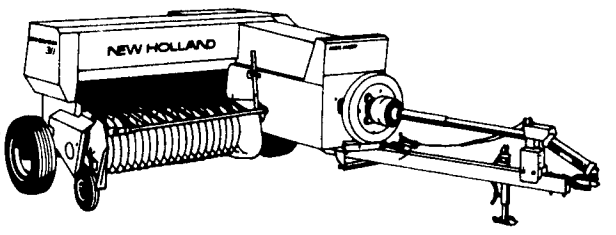
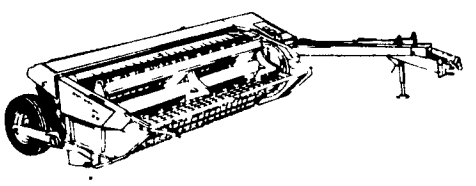


SQUARE BALER DIVIDENDS
INITIAL PURCHASE $300
SECOND PURCHASE $900



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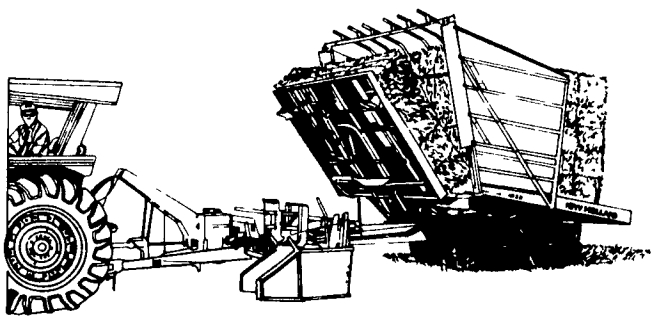

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Lancaster County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

November Report

A Registered Holstein cow owned by Vernon R Umble & Son, R #1, Christiana, completed the highest 305 day lactation Donna produced 30,473 lbs of milk, 1,064 lbs of butterfat with a 3 5% test Second high lactation was completed by a Holstein cow owned by David W Sweigart, R#3, Elizabethtown 42 produced 24,591 lbs of milk, 1,026 lbs of butterfat with a 4.2% test in 305 days

First 305 Days Of Lactation With 750 Or More Lbs. Of Butterfat

OWNER NAME OR NUMBER	BRD	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Vernon R Umble & Son						
Donna	RH	5-8	305	30,473	3 5	1,064
Maid	RH	5-8	305	19,396	4 5	879
David W Sweigart						
42	GrH	4 7	305	24,591	4 2	1,026
Paul B Zimmerman						
Frosty	RH	7-1	305	21,392	4 7	1,001
Ronda	RH	6-5	305	17,626	4 5	789
Wili	RH	7-1	305	22,122	3 5	783
Lynn	RH	10-3	305	20,410	3 8	766
Amos M Stoltzfus						
Lena	RH	6-8	305	24,605	4 0	983
Nelson W Nolt						
58	RH	5-6	305	23,210	4 2	983
10	RH	11-11	305	22,020	3 6	802
Bushong Bros						
Lady	GrH	7-10	305	23,641	4 1	976
Christian&Katie King						
88	RH	4-9	305	24,913	3 9	970
67	GrH	11-3	305	22,257	3 9	873
85	RH	4-6	305	25,444	3 1	782
81	RH	8-6	305	20,193	3 7	757
John M Harnish						
Marieta	RH	5-9	305	26,587	3 6	969
Fern	RH	8-6	305	24,277	3 3	809
Brenda	RH	5-11	295	23,013	3 5	797
52	GrH	8-9	305	23,011	3 5	794
Tamara	RH	5-0	305	25,002	3 2	789
Portia	RH	8-3	305	22,325	3 5	780
Donald R Bare						
Cindy	RH	7-1	293	26,796	3.6	968
1	RH	4-9	305	20,215	4 1	826
Nathan E Stoltzfus						
Sidel	RH	8-4	305	23,221	4 1	961
Kathryn	RH	6-3	305	21,384	4 2	904
Frisky	RH	7-4	305	22,309	4 0	903
Phoebe	RH	4-10	305	22,564	3 8	866
JS Smucker&Sons						
304	RH	4-9	305	22,659	4 2	959
379	RH	5-0	305	22,736	3 7	844
332	RH	4-5	305	18,088	4 2	757
J Earl Horst						
Judy 38	RH	7-9	305	24,173	4 0	956
Daniel M Stoltzfus						
Kitty	RH	3-0	305	21,854	4 4	955
Cora5	RH	3-3	305	21,957	3 7	814
Marla	RH	5-1	305	20,713	3 8	782
Sandy	RH	5-1	305	21,918	3 5	767
J Robert Kindig						
Bert	RH	4-2	305	28,691	3.3	950
Maizie	RH	5-5	305	23,107	3.8	872
Lahaina	RH	3-3	305	19,383	4.3	834
Creek Knoll Farm 1						
Cocoa	RH	5-3	305	26,677	3.6	949
Curtis E Akers						
Sarah	RH	4-3	292	24,652	3 8	949
Birdie	RH	3-2	305	24,206	3 8	921
Jackie	RH	7-4	305	24,837	3 5	877
Holly	RH	2-2	305	19,866	4 1	807
John S Wenger						
63 Emily	RH	5-0	305	22,759	4 1	943
Ben S Stoltzfus						
Donna	RH	6-10	305	20,509	4 6	940
Zinnia	RH	4-4	305	21,630	4 1	888
J Floyd Kreider						
69	RH	5-10	305	22,270	4.2	939
1	RH	5-4	305	21,259	3 7	777
Nelson H Wenger						
Cottonl	RH	3-4	293	19,322	4 8	928
Fancy	RH	4-11	305	18,267	4 3	784
Cyndi	RH	5-8	305	20,829	3 6	757
Joseph W Best&Sons						
10	GrH	4-1	305	20,958	4 4	924
77	GrH	7-2	305	24,428	3.7	897
70	GrH	3-11	305	20,083	4 0	800
Ivan M Hurst						
Willie	RH	4-4	305	24,571	3 7	920
Katrina	GrH	4-10	305	23,630	3 7	877
Loreen	GrH	4-6	305	19,439	4 3	835
Ashevale Farm						
Litning	RH	4-8	305	22,818	4 0	915
Kreider's & Nickle						
169	GrH	7-11	305	26,433	3 5	914
9	RH	6-3	305	23,675	3 8	908
C Victor Groff						
4	GrH	4-4	305	24,557	3 7	913
73	GrH	4-1	305	20,776	3 7	776
John Z Beiler						
Lolly	RH	5-4	305	23,156	3 9	913
Princes	RH	3-11	305	25,360	3.4	864
Polly	RH	5-4	299	24,110	3.4	828
Priscil	RH	3-8	305	23,514	3 4	790
Wilmer R Martin						
Zonia	RH	6-9	305	22,799	4 0	911
Tom&John Harnish						
Sunbeam	RH	7-5	305	25,059	3.6	910
Wally	GrH	4-1	305	22,504	3 7	840
Topper	GrH	3-4	304	18,005	4 3	777
Vivian	GrH	3-2	305	20,576	3 7	758
Lucy	RH	5-4	255	18,056	4 2	750
C Nevin Hershey						
Edna	RH	7-4	305	20,306	4 5	910
Micki	RH	4-3	305	18,394	4 6	852
Nathan G Stoltzfus						
Honey	RH	9-1	305	20,850	4 4	907
Hazel	RH	8-4	305	21,418	3 7	787
D Lamar Witmer						
Coleen	RH	5-11	305	28,315	3 2	906
Irene	RH	5-5	305	24,761	3 4	835
Ferncrest Farm						
316	RH	4-7	305	• 19,190	4 7	904
J Mowery Frey Jr						
Missy	RH	5-3	305	27,264	3 3	903
Governs	RH	5-8	305	26,206	3 0	795
J Richard Kolb						
Bitsy	RH	4-6	305	26,811	3 4	903
Dorie	RH	5-11	305	26,033	3 4	891
Raven	RH	5-6	305	19,003	4.5	853
44B	GrH	10-2	305	19,817	4 1	813
Jem	RH	7-11	305	22,452	3 5	790
Sue	RH	6-5	305	22,939	3 4	780
Parke H Ranck						
Margo	RH	5-2	305	21,385	4 2	902
Poppy	RH	5-1	305	20,190	4 4	889
Peggy	RH	5-3	305	20,249	4 0	815
Marty	RH	3-6	300	18,371	4 1	752
David D Zimmerman						
Carolyn	RH	4-3	305	23,184	3 9	894
Jonelle	RH	4-0	305	19,278	4 5	865
B Barbie	GrH	3-0	305	22,239	3 8	837
Patricia	RH	4-5	305	18,354	4 3	784
Cedar Fringed Farm						
Cupie	RG	5-0	305	22,333	4 0	893
Netiann	RG	3-2	305	15,909	5 1	815
Mischief	RG	3-1	305	14,603	5 2	766
Sallie	RG	6-0	305	17,894	4 3	764
Clyde W Martin						
Lorrie	RH	7-0	305	23,931	3 7	890
Plum 2	RH	3-3	305	25,776	3 3	861
Nutmeg	RH	3-4	305	24,052	3 6	859
Markie	RH	8-6	305	25,073	3 3	819
Wendy	RH	4-0	305	23,450	3 4	796
Paige	RH	8-0	305	20,657	3 8	782
Inka	RH	6-2	288	23,428	3 3	771
Belle	RH	3 7	305	19,582	3 9	769
Randy J Stoltzfus						
Kary 175	RH	3-6	305	21,648	4 1	890

(Turn to Page B23)

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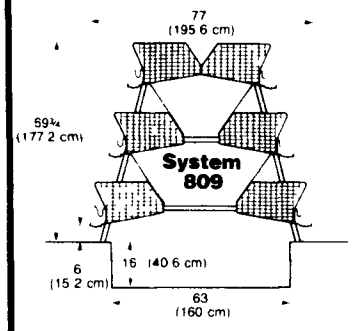

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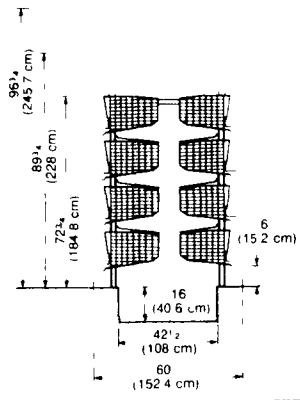

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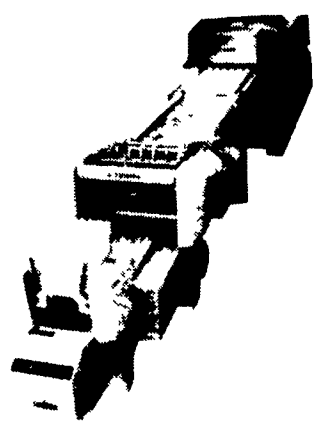

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(Continued from Page B22)

Earl E Martin						
Snowball	RH	5-10	305	24,575	3 6	889
Riehlee Farm						
B5	RH	8-11	305	23,298	3 8	888
Mabel	RH	4-8	305	20,880	3 7	766
Delmar H Wenger						
Alan	RH	5-3	305	22,449	4 0	888
ER&RE Denlinger						
Meta	RH	5-1	276	18,604	4 8	885
Richard G Wenger						
Jennie	RBrSW	7-9	305	18,456	4.8	885
Kitty	RBrSW	6-3	305	17,270	4 4	752
Samuel M Martin Jr						
7	GrH	4-11	305	25,154	3 5	883
Hula	GrH	7-6	305	21,931	3 5	766
Bennie L Fisher						
Debora	GrH	8-0	305	22,041	4 0	883
Mervin L Stoltzfus						
2	GrH	5-5	305	22,453	3 9	880
73	GrH	4-6	305	20,950	4 0	842
Walnut Run Farm						
Old	RH	6-8	305	21,718	4 1	880
Robert W Ulrich Jr						
Florence	RJ	3-10	294	16,371	5.4	880
Francy	RJ	4-2	305	18,067	4.8	867
Jackie	RJ	3-3	305	15,408	5 6	856
Fancy	RJ	2-4	305	14,987	5 1	763
Moses N Good						
Tilly	RH	5-6	305	23,146	3 8	879
J Ray Ranck						
Posey	GrH	4-6	305	20,099	4 3	870
David L Landis						
51	GrH	8-4	305	24,329	3 6	869
5	RH	4-2	305	20,727	3.7	764
Martin H Good						
Rella	RH	6-0	305	21,338	4 1	869
Thomas C Lapp						
Lois 20	RH	5 10	305	23,773	3 6	866
Graywood Farms						
18	GrH	6-5	305	20,561	4 2	866
28	GrH	3-4	305	19,483	4 3	833
297	GrH	4-9	305	17,332	4 4	756
Twin Oak Farms						
233	RH	10 11	305	19,925	4 3	865
Omar Smoker						
Jane	RH	5-1	305	21,030	4 1	864
John H Howard						
Stacy	RH	4-8	305	23,923	3 6	863
Ada	RH	4-7	305	22,161	3 8	853
Cora	RH	4-6	305	23,417	3 3	780
Henry U Stoltzfus Jr						
Sonnet	RH	3-2	305	24,467	3 5	862
Karol	RH	2-0	305	20,719	3 9	814
Pequea Heights Farm						
Miz	RH	6-9	305	24,380	3 5	862
Paula	GrH	4-11	305	20,399	3.9	792
Bess	GrH	7-1	305	24,805	3.1	775
C Dale Bollinger						
Crystal	RH	7-9	305	22,961	3 7	860
Carie	RH	4-6	305	22,938	3 4	770
Katie	RH	8-5	305	22,942	3 3	754
Enos B King						
Kay	RH	6-4	305	25,596	3 4	859
Britain Acres Farm						
5	RH	8-1	305	21,134	4 1	859
Spring Lawn Farm						
5	RH	4-9	305	19,377	4 4	858
Harold L Weiler						
34	GrH	8-3	305	22,043	3 9	857
Jonas B King						
Advance	RH	7-1	305	22,330	3 8	853
S&A Kreider&Sons						
46	GrH	5-0	299	20,528	4.2	853
Elam Petersheim						
Melinda	RH	5-3	305	23,785	3.6	852
Audrey	RH	5-10	305	24,546	3 4	837
Carmen	RH	4-4	305	20,029	4 1	828
Eyelet	RH	6-6	305	24,240	3 3	811
Cloud	RH	4-4	305	22,199	3 5	772
Roy H&Ruth H Book						
Starlet	RH	7-11	305	23,152	3 7	850
Kreider Dairy Farms						
59	GrH	5-2	290	20,298	4 2	848
Abram&John Barley						
566	RH	3-3	305	23,672	3 6	847
103	RH	4-2	305	21,770	3 7	814
36	RH	4-2	305	21,697	3 6	785
Bart Dell Farm						
Debbie	RH	3-8	305	24,582	3 4	845
John A King						
Apache	RH	7-0	305	18,009	4 5	845
Richard B Hess						
73	GrH	6-11	305	22,851	3 7	844
Meadow Springs Farm						
Staff	GrH	10-5	305	19,444	4.3	844
Angel	RH	3-2	305	16,968	4 7	799
Leslie	RH	3-2	305	20,079	3 8	770
John K Stoltzfus						
Reba	GrH	5-3	305	23,649	3 6	843
Alvin M Martin						
11	GrH	8-7	305	21,832	3 8	840
Welsh-Vista Farms						
Ella	RH	7-4	305	22,280	3 8	839
Chino	RH	4-2	305	23,648	3 5	821
Carrie	RH	5-0	305	21,979	3.5	761
William P Arrowsmith						
Mickey	RJ	5-3	305	15,155	5.5	839
Ellis D Kreider						
175	RH	3-5	305	23,996	3 5	837
121	GrH	7-10	294	17,033	4.8	818
Jay E Landis						
Louada	RH	3-10	305	24,621	3 4	834
Better	RH	7-5	305	21,052	3 7	781

(Turn to Page B24)

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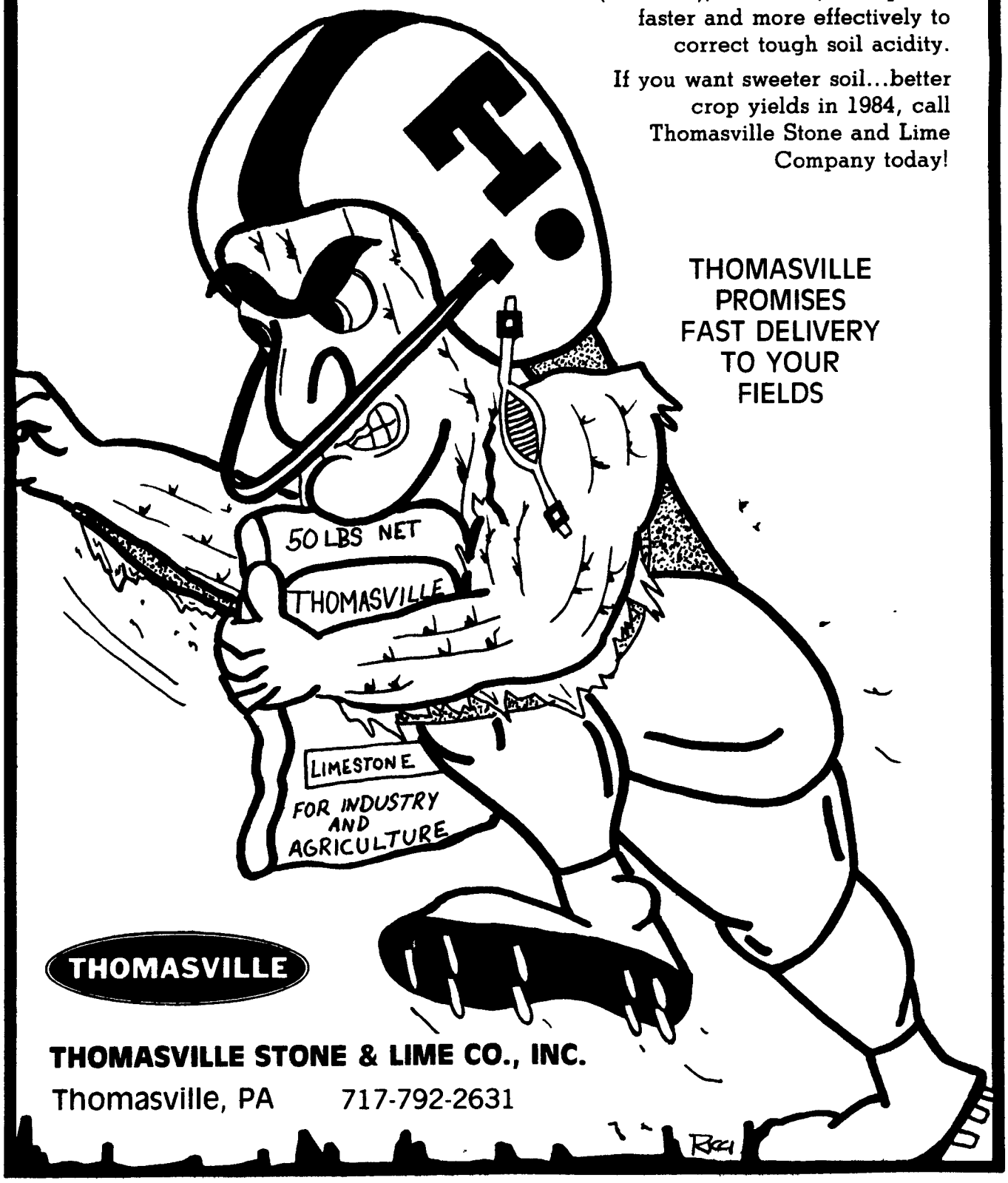

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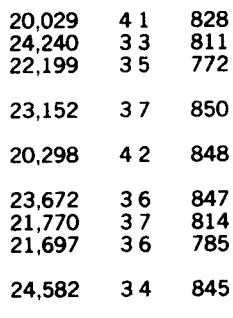
END O' RAT



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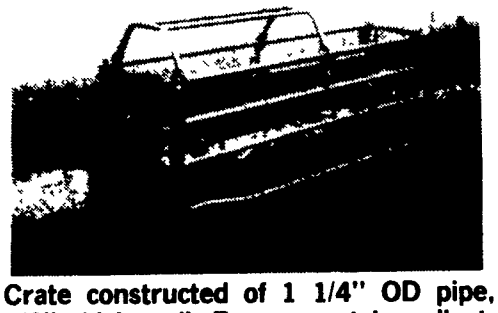

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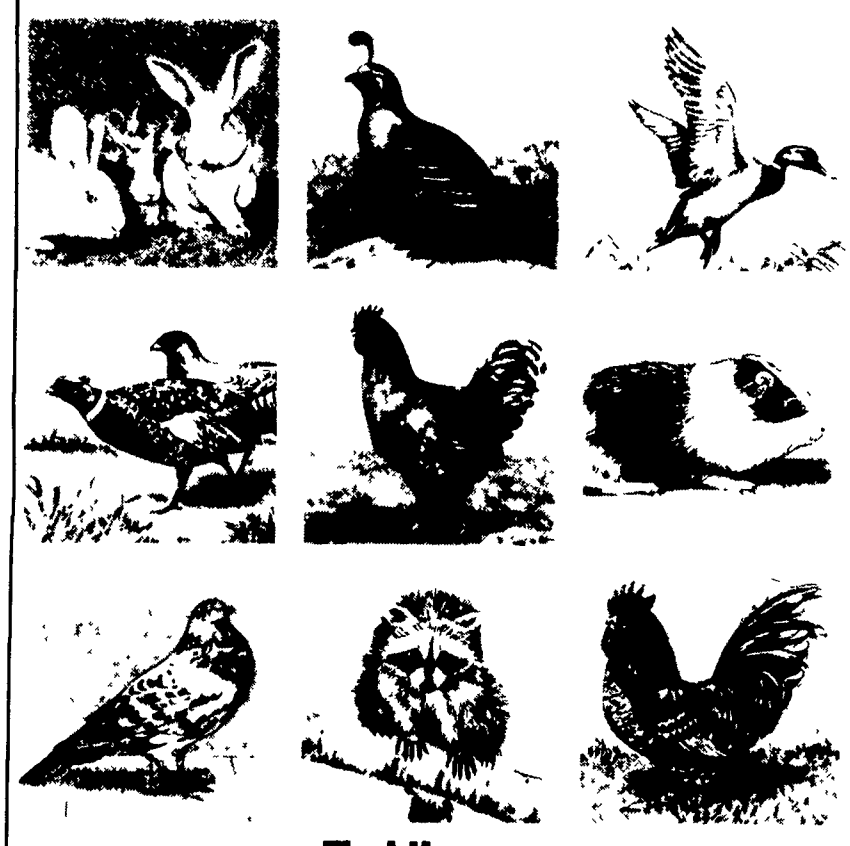
Lancaster Co. DHIA

(Continued from Page B23)

LeRoy S Weaver						
Rhoda	RH	3-2	305	23,452	3 6	834
Springarden Farm						
Sherl	RH	5-0	305	20,465	4 1	834
Jonas B Lantz						
Marbel	GrH	5-4	305	23,917	3 5	833
Ruby	RH	4-5	305	24,281	3 4	820
Ribbs	RH	5-1	293	20,653	3 7	763
Nevin & Doneen Dourte						
Beena	RH	3-5	305	23,604	3 5	833
Ivan Z Martin						
Wilma	RH	4-4	305	20,910	4 0	833
J Harold Fritz						
86	GrH	4-11	305	21,426	3 9	832
George M Hurst						
109	RH	3-6	305	20,378	4.1	832
78	RH	3-10	305	25,251	3 0	766
370	RH	4-2	305	21,113	3.6	757
John W Martin Jr						
44	GrH	5-0	305	24,408	3 4	830
J Robert Metzler&Son						
April 24	RH	4-9	305	20,737	4 0	830
Weaver Homestead Farm						
57	GrH	3-1	305	24,818	3 3	829
E Richard Bruckhart						
Barbara	RH	7-0	305	26,659	3.1	828
Peggy	RH	8-6	305	21,400	3 8	815
Buttercup	RH	8-6	305	21,228	3 6	766
John L Landis						
240	GrH	3-1	301	24,209	3 4	828
Walter C Pownall						
181	GrH	3-3	305	21,018	3 9	828
145	GrH	5-1	305	19,936	3 8	764
Harry S Aungst						
Beany	RH	4-11	305	19,608	4 2	826
Prissy	RH	5-6	305	22,313	3 7	825
Eileen	RH	4-4	305	23,447	3 2	753
ES Win Farms						
Mary	RH	4-0	305	24,144	3 4	825
Fran 1	RH	7 3	305	21,080	3 9	812
Daniel M King						
Ideal	GrH	6-1	297	23,396	3 5	821
Chieftn	RH	4-0	305	19,620	3 9	767
Robert C Groff						
Tail 53	RH	4-4	305	17,685	4 6	820
Ivan Zimmerman						
Angel	RJ	6-5	284	16,559	5 0	820
Noah K Beiler						
Cherry	RH	4-6	305	23,569	3 5	816
Hammer Creek Holsteins						
72	GrH	4-2	271	21,030	3 9	816
Rhelda&Lynn Royer						
Classic	RH	6-3	295	22,035	3 7	815
Harvey Espenshade						
53	GrH	7-6	304	26,082	3 1	813
Gerald Martin						
Belle	RH	3-1	305	23,810	3 4	812
Benuel F Stoltzfus						
Dixie	RH	7-1	305	23,734	3 4	812
Noah Kreider&Sons						
740	GrH	3-2	305	20,314	4 0	812
508	GrH	3-2	305	19,914	3 8	762
Indian View Farm						
Mim	RH	5-4	303	20,684	3 9	811
Emanuel S Smucker						
Sonia	RH	4-3	305	19,645	4 1	809
Daisy	RH	3-2	305	22,203	3 4	762
Herman Ginder						
Spoy	GrG	5-8	305	16,409	4 9	808
Vanessa	RG	4-4	305	16,572	4 5	754
Leon S Lapp						
Marie	RH	4-11	305	22,138	3 6	806
Earl&Steven Neff						
Haret37	RH	8-0	305	21,526	3 7	805
J Clayton Charles						
Milly	RH	5-6	305	19,307	4 2	805
Jay R Nissley						
95	GrH	5-2	305	23,118	3 5	804
Loren L Zimmerman						
Melita	RH	5-1	305	18,969	4 2	804
Robert L Shelly						
Rita	RH	6-11	305	21,292	3 8	803
Patsy	RH	4-5	305	20,267	2 7	751
John G Good						
89	GrH	3-11	305	22,684	3.5	799
56	GrH	7-11	305	20,913	3 8	799
Helen	RH	5-5	304	21,142	3 6	769
Adam&Jerene Zimmerman						
Monica	GrH	3-1	296	21,357	3 7	799
Dal Car Farm						
93-172	GrH	5-5	305	19,071	4 2	799
Robert H Rohrer&Sons						
146	RH	6-2	305	23,655	3 4	797
John R&Rick Groff						
Rosalyn	RH	3-0	305	22,512	3 5	796
Patsy	RH	5-7	289	20,973	3 6	753
Ben G Riehl Jr						
Bosey	GrH	10-3	305	22,060	3 6	796
Singing Maples Farms						
12	RH	4-4	305	20,809	3 8	795
52	GrH	7-10	305	25,838	3 0	785
25	RH	4-1	285	23,048	3 3	768
Paul H Martin						
Elberta	RH	3-1	302	18,757	4 2	794
Ken&Nelson Stoner						
125	RH	2-5	304	22,279	3 6	792
Curvin W Nolt						
20	RH	3-11	305	21,266	3 7	792
59	RH	5-5	305	23,402	3 4	784
Harold K Witmer						
Ripples	RH	7 7	305	20,017	4 0	792
Dennis R Bender						
17	GrH	4-5	282	17,735	4 5	792
Rosegale Farm						
Rose	GrH	5-11	305	20,988	3 8	791
Robin	RH	3-2	305	17,952	4 4	785
Samuel L Stoltzfus						
Edith	GrH	8-5	305	17,181	4 6	791
Neffdale Farm						
Pauline	RH	6-5	305	21,845	3 6	790
Lloyd B Sensenig						
Flora	RH	6-1	300	20,752	3 8	790
Nelson R Habecker						
50	GrH	5-1	305	20,372	3 9	790
57	RH	5-4	305	18,516	4 3	788
76	GrH	2-11	305	22,866	3 4	784
3	GrH	2-9	294	19,170	4 1	782
Albert Breneman						
106 Wini	RH	4-1	305	17,767	4 4	789
I Tracy	RH	5-8	305	20,793	3 7	764
Running Springs Farm						
Je Nel	RH	12-6	305	21,589	3 7	788
Thomas&Larry Aaron						
265	RJ	5-3	305	17,165	4 6	788
Benuel Z Lapp						
Dora	RH	8-2	305	19,077	4 1	787
Richard N Sauder						
Shirley	RH	3-2	305	20,318	3 9	785
Princes	RH	6-6	305	22,043	3 4	754
Edgefield Farms						
Anita	RH	4-10	305	19,361	4 1	785
King Farm						
Princes	RH	5-9	305	24,451	3.2	784
Buttercup	GrH	5-4	305	23,149	3 4	783
Henry S Lapp						
66	RH	6-6	305	20,634	3 8	784
Christian Zook						
Barb	RH	9 1	275	21,085	3 7	783
Raymond M Weaver						
124	RH	5-6	305	22,450	3 5	782
Aaron S Glick&Sons						
110	RH	5-3	305	18,485	4 2	782
20	GrH	3-7	305	22,101	3 5	768
John Ivan Stoltzfus						
Ma	RH	8-8	267	20,747	3 8	781
Robert Martin						
20	GrH	4-5	305	24,122	3 2	780
John D Nissley						
Dawn	RH	5-6	305	16,883	4 6	780
Sol S Stoltzfus						
7	GrH	5-2	298	25,692	3 0	779
13	GrH	6-3	279	18,975	4 0	753
Willis S Nolt						
61	RH	5-10	305	21,749	3 6	779
Raymond W Horning						
Dimple	RH	7-6	305	20,027	3 9	779
Tom Zartman						
52	GrH	3 6	305	19,973	3 9	779
David E Zimmerman						
38	GrH	6-2	305	18,901	4 1	779
Amos E King Jr						
Queen	RH	3-9	305	23,039	3 4	778
LeRoy S Musser						
56	GrH	6-1	276	21,121	3 7	778
Roman L Stoltzfoos						
59	GrH	5 8	305	19 968	3 9	778
Kenneth B Garber						
Ivory	RG	5 4	305	15,413	5 0	778
Inca	RG	8-1	305	15,486	5 0	776
Danda Farms						
111	GrH	5-2	305	20,706	3 7	776

(Turn to Page B25)



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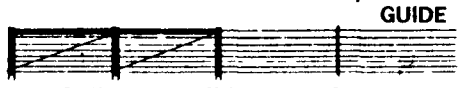

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PENNSYLVANIA LICA

Lancaster Co. DHIA

(Continued from Page B24)

Lane	RH	4-6	305	18,480	4.2	770
Dime53	RH	5-0	305	22,833	3 4	767
Ammon B Lantz						
Sherry	RH	6-10	299	18,994	4 1	776
Son	RH	6-6	305	18,432	4 1	752
Naaman W Stoltzfus						
Taffy	RH	4-4	305	23,190	3 3	775
Clifford G Martin						
Whirl	GrH	3-10	305	19,292	4 0	775
Earl S Weaver						
Irene	RH	3-3	305	18,572	4 2	775
Kenneth E Zurin						
53	GrH	4-2	305	23,842	3 2	774
366	RH	3-0	305	18,469	4 1	758
49Cord	RH	6-0	301	19,744	3.8	752
Garwood Farm						
Ella	RH	7-0	305	20,012	3 9	773
Darryl Bollinger						
Jigger	RH	4-1	305	22,049	3 5	772
Inkey	RH	5-11	305	23,370	3 3	767
Reuben A Stoltzfus						
Pansy	GrH	8-2	304	20,759	3 7	772
James M Harnish						
Karen	RH	6-4	302	19,957	3 9	772
Abraham Shelly Jr						
Foxy	RH	6-5	210	19,148	4 0	768
James F Myer						
24Lavo	RH	5-6	305	23,021	3 3	767
John Omar Stoltzfus						
Pride	RH	8-6	305	17,139	4 5	767
HH Haverstick						
Sylvia	RH	4-1	305	17,720	4 3	766
Abram M Stoltzfus						
Kathy	RH	6-8	305	19,297	4 0	765
Levi S Stoltzfus						
Lady	RH	5-0	305	21,508	3 6	764
Paul D Welk						
Lady	RH	7-11	305	24,922	3 1	763
Marbro Farm						
Lindy	RH	4-5	305	24,427	3 1	763
Romella Farms						
Ginny	RG	2-3	305	17,141	4 5	763
Brubacher&Martin						
94	RH	4-9	305	18,593	4 1	762
John U Glick						
Donna	RH	2-2	305	21,632	3 5	754
Red Knob Farm						
207	GrH	6 7	305	19,628	3 8	753
67	GrH	4 7	305	18,656	4 0	752
Steven O Sirota						
43Topper	RH	8-0	305	18,809	4 0	753
Irvin M Martin						
18	GrH	6-9	305	22,576	3 3	752
Raymond H Good						
33	GrH	4-2	305	19,058	RH	3 0 752
Jonas S Beiler						
Misty	GrH	3-0	305	17,415	4 3	752

TIOGA COUNTY DHIA
November Report

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Glenn Bowen	RH	38 2	87 9	19,521	747
Harold Robson Jr	RH	54 8	90 6	21,196	746
L&J Holsteins	RH	38.5	88 5	19,136	739
P&E Machmer	R&GrH	25 7	87 4	18,456	709
Simalot Holsteins	R&GrH	41 7	88 6	19,097	705
Richard Groover	Rh	40 7	86 6	18,788	701
Thomas Groover	R&GrH	27 1	88 2	18,625	694
Verne W Bowen	RH	40 6	87 7	18,904	689
Char&Dor Porter	R&GrH	43.4	88 3	19,306	685
Leemon E Gaugler	RH	36 3	86 1	17,976	680
Jay Foreman	RH	74 9	87 7	17,511	678
Stephen E Bolt	R&GrH	70 2	86 2	19,298	677
Larry&Mary Herman	RH	47 1	85 9	18,178	672
MIC Realty	RH	52 8	88 6	17,913	669
Chris Gaugler	RH	33 9	87 7	18,411	667
Theodore Schmelzle	RH	49 9	86 1	18,568	665
Dean Baity	RH	54 8	86 8	17,381	661
Robert Shanley	RH	66 5	87 1	17,085	658
Douglas W Lawton	RH	62 3	86 9	17,843	657

The High Producers

Cows that produced 750 lbs of butterfat or more in 305 days in November 1983 in the Tioga County D H I A

OWNER NAME OR NO.	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
L&J Holstein					
Sheree	7 2	305	25,105	3 9	969
David Weaver					
Judy	8 4	305	21,797	4 4	953
Sharlene M Clark					
#79	4 2	305	24,523	3 8	925
#70	6 7	305	22,189	3 4	764
Simalot Holsteins					
Annie	5 4	305	26,933	3 4	903
Regal	4 2	303	18,753	4 2	771
Charles&Doris Porter					
Marilyn	3-2	305	28,290	3 2	901
Glenn Bowen					
Iris	5 1	305	23,937	3 8	901
Nola	6 5	305	18,510	4 2	780
Robert Shanley					
#140	4 3	305	20,531	4 3	891
#118	6 3	305	25,970	3 2	839
Tom Bower					
#81	8-8	305	19,403	4 6	887
#147	3-6	293	18,010	4 6	832
Harold Robson Jr					
Joe	5-5	305	25,162	3 5	873
Polly	4-9	305	25,363	3 1	792
Peggy	3-8	305	21,491	3 5	758
Wm&Wendy Sturges					
Dottie	9-0	305	22,372	3 8	858
Kimberl	4-11	299	23,263	3 5	815
Flacon	9-6	305	19,489	4 0	777
Tidy	7-2	305	19,715	3 9	770
Richard Groover					
Bow	6 4	305	24,280	3 5	856
Ellie	7-3	297	22,624	3 6	825
Patty	5 2	305	21,786	3 8	817
Allan J Lilley					
Junebug	3-4	305	22,738	3 8	854
Dean Baity					
Glory	6-11	305	18,710	4 5	851
Theodore Schmelzle					
Annie	8-2	305	22,887	3 7	848
Kattie	8-0	286	21,847	3 6	784
Saint	2-9	305	19,361	3 9	759
Clifford G Root					
54 Marge	3-1	305	25,788	3 2	837
Rodney&Pam Sherman					
#23	0-0	305	24,280	3 4	814
Neil&Karen Fisher					
Brenda	3-0	305	23,318	3 5	814
Becky	2-11	305	17,290	4 4	756
Dale&Barb Machmer					
Marie33	4-1	305	20,858	3 9	812
Larry&Mary Herman					
Gina	3-3	305	20,793	3 9	812
Josie	8-2	298	22,068	3 5	780
Clifford Brace					
Neva	8-2	286	21,670	3 7	795
Stephen E Bolt					
Ruby	3-1	303	21,435	3 7	794
Raymond Ingalls					
#141	4-10	305	17,876	4 4	793
Leemon E Gaugler					
Snooks	2 5	305	18,202	4 3	786
Gordon M Wood #1					
Faith	13 9	305	20,037	3 9	785
Spreus	7 11	305	23,679	3 2	750
Ralph B Sampson					
#344	7 6	305	18,383	4 3	785
Brenton Bailey					
Crissy	3 3	305	19,709	3 9	768
Windswept Dairy					
#53	5 10	305	19,935	3 8	764
Dale E Allen					
Jill	3-8	305	19,616	3 9	764

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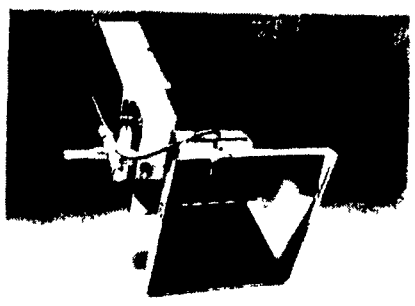

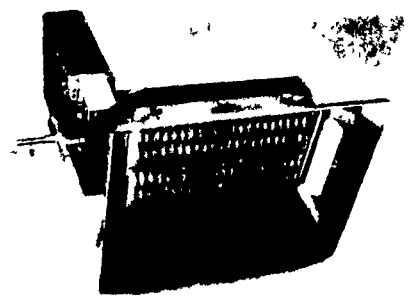

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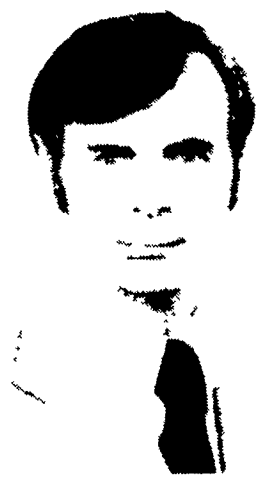


Dairy Pipeline

By
Glenn A. Shirk
Extension
Dairy
Agent

Herd Health - The Cornerstone

Wherever you find a successful dairyman, chances are, you also find a well-bred, productive herd that is healthy, well-fed and properly housed.

Herd management is like a chain with many links. In this case, the links are genetics, health, nutrition, the environment, general care, finances, marketing, etc. The success of a dairyman is only as great as the weakest link in this management chain.

As with a chain, many of these management areas are interwoven. To be productive, a cow has to be well-bred. However, if she is not healthy she may go off feed. Chances are, she'll lose weight, won't produce well, and she may not reproduce. If she is not well cared for, housed and fed properly, she may not be healthy. If she becomes stressed, for whatever reason, she may not be able to resist infection or respond well to treatments.

As you can see, good health is one of the cornerstones of an effective herd management program. A good preventive herd health program and a healthy herd sets the stage for good herd performance; it gives other programs (breeding, feeding, milking, merchandising) a chance to be effective.

Schedule a special time when you and your veterinarian can sit down and concentrate on developing, or updating, a preventive herd health program for your herd; he is experienced with the diseases and health problems that are prevalent in your community, and he knows what your risks are. You may want to schedule these planning sessions as often as once a year.

Vaccinations should be an important part of your herd health program, but it is not the only part. It is not a substitute for good management. Therefore, as you develop your plan, include other management practices that also need to be performed at key times to help assure good herd health.

Some of these other management practices you may want to include in your plan are: times to change rations, vitamin and mineral shots, colostrum feeding, naval dipping, calf identification, separating and grouping animals, removing horns and extra teats, deworming, prebreeding exams, pregnancy checks, dry treating, seasonal shots and annual boosters.

As you organize all of this information into a workable plan of action, you may want to divide your plan into several convenient management sections such as a plan for:

★ Calves and Heifers
★ Pre-Calving
★ Early Lactation
★ Late Lactation and Dry Off
★ Seasonal Considerations

Within each of the above sections or groups, consider:

★ What has to be accomplished at precise ages and stages of an animal's life.

★ What has to be accomplished at precise seasons of the year - and for which animals.

★ What jobs can be combined for convenience without inflicting excessive stress upon the animal.

Accompanying this column is an abbreviated example which helps to illustrate some of the concepts I've been describing. This example is not intended to be a recommendation; you should develop your own program with the help of your veterinarian.

Once you have a good plan, stick with it. Don't buy anything, and don't use anything that is not in your plan. If something looks promising, discuss it with your veterinarian, and if you need to, revise your plan, but only with the help of your veterinarian. This could save you money and prevent you from making costly errors.

Reduce Infectious Organisms

Most infections in dairy cattle are caused by micro-organisms (bacteria, virus, etc.) These organisms generally thrive in dark, warm, moist, filthy areas. The more of these organisms that are present around the animal, the greater the risk of infection.

Our challenge then is to keep the population of these micro-organisms to a minimum. That requires cleanliness! This eliminates the filth they feed on. Cleanliness can be enhanced with sanitation, when necessary. However, sanitation without cleanliness is not very effective; the organic matter in the filth quickly neutralizes the sanitizer.

Clean, sanitary maternity areas help prevent many reproductive infections. This area should be used primarily for freshening only - not for treating other cattle for various infections. Cleanliness during the first week after drying off, and for a few days prior to calving, will also help prevent new infections of mastitis during these two high risk periods. Clean, dry stall beds, alleys and lots will also help prevent mastitis.

Isolation is another way of protecting animals from contact with infectious organisms. For example, to help control Johnes, it is recommended that calves be separated from their dams immediately at birth and not allowed to come in contact with any manure from older cattle. Hutches and individual pens protect calves from direct contact with other cattle. Housing your cattle away from older cattle protects them from inhaling the germ-laden air of older animals. This isolation may be necessary until these young animals have been properly immunized against those diseases to which they may be exposed to later in life. Maintaining closed herds and not moving cattle on and off the farm is another form of isolation.

Vectors can spread disease organisms from animal to animal. These vectors, or carriers, might be: an infected animal shedding organisms but showing no signs of the disease, other healthy animals and herd sires, people (sales and service personnel, veterinarians, technicians, milk testers, visitors, yourself), dogs and cats (whose dead calf or cow cleanings did they visit recently?), birds, flies, trucks, etc.

How many people visiting your barn disinfect their boots? Who hauls your cattle, and where have they been and whose cattle have they hauled before coming to your farm? Do you use a herd sire for settling problem breeders (perhaps infected) and open heifers? Do you use proper techniques and sanitary procedures when you examine, inseminate, inject and infuse cattle? Do you sanitize udders, use individual wash towels and milk infected cows last?

Good ventilation is necessary for replacing warm, moist, germ-laden air with fresh air, and for controlling temperatures. All of this reduces the number of micro-organisms animals inhale and are exposed to. Consequently, respiratory and mastitis problems are reduced.

Stress

Stress is a very vague term that encompasses a lot of things. It is a

(Turn to Page B27)

Calves and Heifers

Schedule	Immunization	Management Practices
At birth	Colostrum-immediately	Dip naval - iodine Isolate - calf hutch Identify
2 weeks	IBR, PI_3 - nasal	Dehorn Extra teats

Pre-Calving

3 weeks		Pre-calving group Se-Vit E shots

Early Lactation

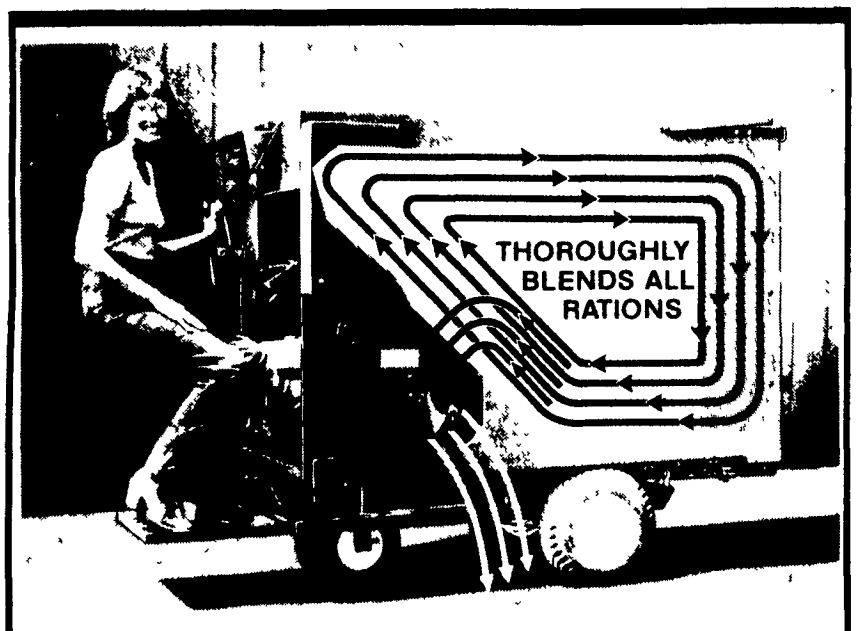
2-6 weeks after calving	IBR, BVD, PI_3 - MLV Open cows ONLY Lepto-5 way	Examine cow — with retained placenta that fail to show heat with abnormal discharges Pre-breeding exam

Late Lactation and Dry Off

First week		Dry treat immediately Sanitary area Observe udder

Seasonal Considerations

October	Lepto-5 way for all breeding age cattle IBR, BVD, PI_3 - killed vaccine to all cattle over 6 mo.	Deworm with ? Repeat in 2 weeks



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Dairy Pipeline

(Continued from Page B26)

condition that "weakens" an animals ability to fight off infections and to respond well to treatments. I like to think of stress as being directly related to the general care - or lack of care - an animal receives. It's sometimes hard to pinpoint, so I'll try it illustrate it with a few examples.

Sore feet affects how comfortably a cow gets around and how well she will eat. When she fails to eat, a whole string of health-related problems can follow. Some of these foot problems can be due to: founder, ration imbalances, poorly kept alleys and lots (poor footing, sharp objects, sloppy and filthy conditions), lack of hoof trimming, etc. Correcting these deficiencies and the use of foot baths may help.

A number of toxins may stress an animal's system. These might come from moldy feeds, polluted water, poisons (weeds, prussic acid, chemicals), excess ammonia or acid in the rumen, toxins from infections (coliform mastitis) and metabolic disorders, etc.

Problems that occur around calving time frequently result in infections, losses of appetite, cysts, etc. These may be triggered by: difficult deliveries, retained placentas, twisted stomachs, ketosis, milk fever, etc. It's hard to get a cow to peak and breed back when she has experienced some of these difficulties. Many of these problems can be prevented with a good dry cow program.

Other things that can stress cattle may be the way we do things, for example: drastic changes in the ration, too little forage and too much grain, crowding animals, performing too many things on a calf at one time or at the wrong time (vaccinating, weaning, moving to a new group and exposing to older animals, removing horns and extra teats, deworming and ear tagging - all at one time), excess heat and cold, drafts, too small stalls and improperly maintained stall beds, stray voltage, etc.

The list of concerns seems endless. Nevertheless, we need to consider these things as we attempt to keep herds healthy, productive and efficient. Many of these, in spite of a good vaccination program, will still adversely affect herd health. So, be sure to include all necessary management practices in your herd health program.

You'll also want to discuss with your veterinarian what conditions and symptoms in your herd indicate the need for some diagnostic work. He can help you with the proper timing and procedures when the need arises. Your veterinarian can also instruct you on the proper care and use of vaccines and medicants, and proper "do-it-yourself" techniques.

Lastly, think about developing a good record keeping system - one that lets you record pertinent data for each animal, one that lets you conveniently "flag" animals that have problems or are due for routine work.

Tips for putting PIK back into production

EBENSBURG — Getting PIK acres back into production should not be a major problem, according to Ronald Hostetler, Cambria County Extension Agent. These acres have been out of production for one growing season and many growers used the opportunity to seed conservation crops or clean the fields of hard to control weeds.

Growers should practice sound agronomic principles when bringing PIK acres back into production. Soil testing, crop rotation, weed control and uniform application of herbicides are sound practices.

Soil testing is an important part of sound crop management. To insure proper plant health and economic yields, phosphorus and potassium should be applied according to the soil test recommendations. Soil acidity interferes with plant growth and weed control and should be neutralized with lime.

In no-till, an additional soil sample should be taken from the top two inches to assure that an acid layer is not developing at the surface.

A lot of PIK acres were planted to legumes, such as red clover and sweet clover, for soil improvement and conservation. Where possible, corn should follow these legume crops to take advantage of the residual nitrogen they supply.

Weed control is one area of potential concern. Some growers chose to use their PIK acres for controlling difficult perennial weeds. Weed control was poor on many other PIK acres. Some weed control specialists have referred to PIK acres as "set-back" acres rather than "set-aside" acres, meaning that poor weed control has increased the potential for weed problems in 1984.

Uniform application of herbicides will be very important for adequate weed control. Increased weed populations in 1983 means more weed seed and possibly better distribution of these seed over the soil surface. Correct anything which can cause herbicide stripping or uneven application, like worn nozzel tips, improper incorporation, or boom height too high or too low.

Recognize the weeds that are present, select the proper herbicide for their control and as always, follow the instructions for rates and methods of application on each herbicide label.

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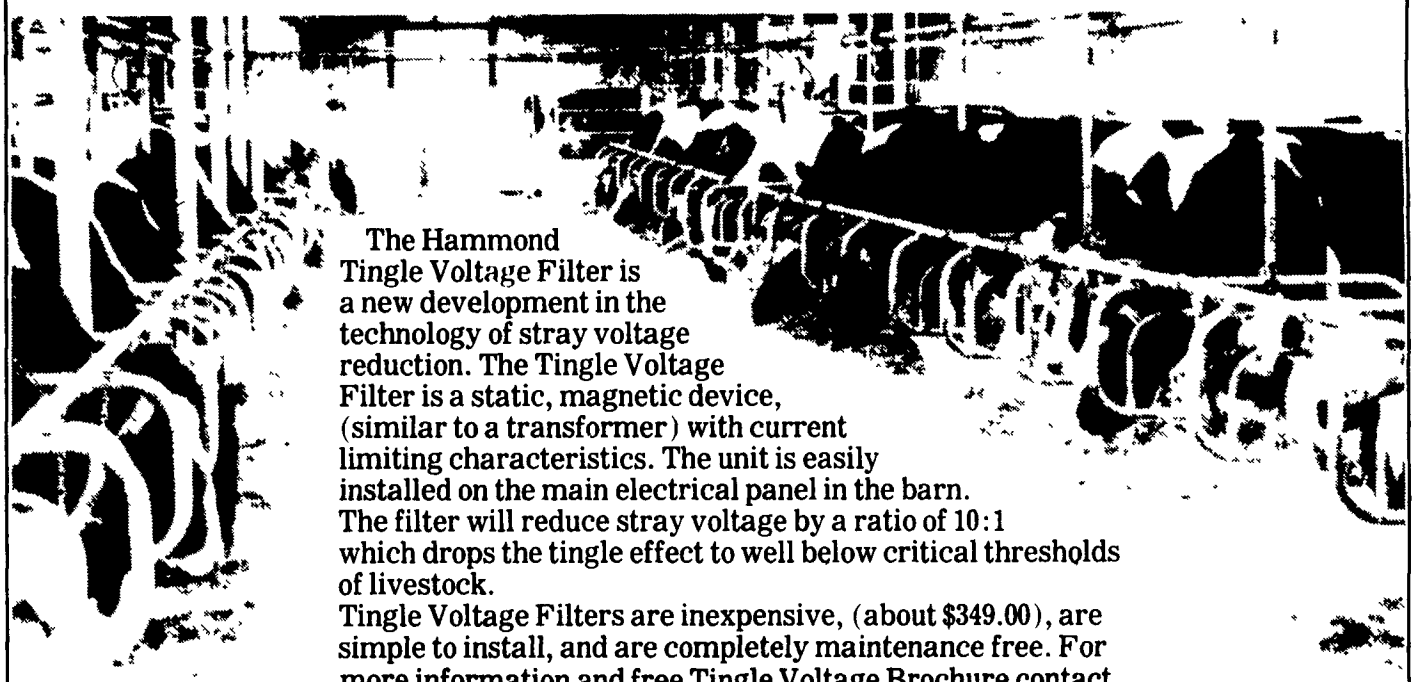

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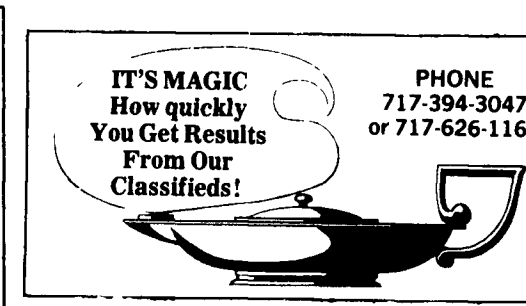

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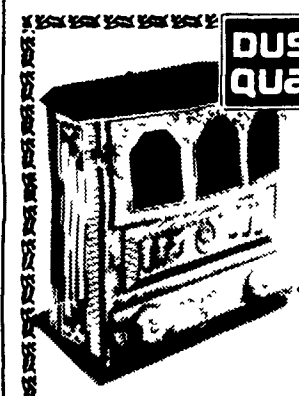

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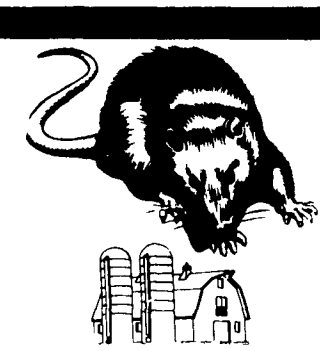

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Dauphin County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

November 1983
Rolling Herd Average
For November

OWNER	BREED	NO. COWS	LBS. MILK	LBS. FAT
Restful Acres	H	92 7	19,868	700
John Hertzler	H	79 2	18,258	673
Roy M Brubaker	H	74 6	19,097	673
Robert J Schaffer	H	61 8	18,230	644
John Roy Book	H	65 8	17,432	642
Robert H Beach, Jr	H	45 4	16,697	638
Earl Campbell	H	51 5	16,545	638
J Melvin Brandt	H	73 6	16,700	635
Catalpa Farms	H	134 6	19,438	631
Crissinger Dairy Farm	H	82 1	16,538	628
J Richard Alwine	H	65 2	16,601	627
Conewago Farms	H	42 5	15,748	621
Calvin B Mauser	G	69 4	13,427	618
Stoney Lawn Farms	H	59 9	18,131	615
Robert Oellig	H	37 9	16,351	615
Mahlon L Lehman	H	57 0	17,158	611
Roy C Wilbert	H	38 0	17,875	609
A Grand View	H	121 0	17,000	608
Arthur Brandt	H	98 2	16,166	604
Larry L Boyer	H	25 8	16,283	601
Elwillo Farms	MB	134 2	16,175	592
Wilmer Campbell	G	63 0	13,379	584
Great View Farms	H	50 2	16,242	583
Harold M Nissley	H	43 2	17,017	582
Wil Lene Farms	H	66 8	16,630	575
Lytle Farms Inc	H	100 2	17,148	573
Donald Engle	H	80 0	15,715	563
Sher Mar Acres	H	51 7	15,209	552
Amos Esh	H	42 8	15,288	550
James Lesher	H	42 3	14,533	537
Dale F Faust	H	45 1	15,672	534
Homer Campbell	H	83 6	14,415	522
David Stoltzfus	H	28 9	14,349	518
R Own Dairy	H	77 8	14,329	518
Paul E Clugston	H	96 6	14,352	518
Noah W Sauder	H	46 1	14,608	514
Floyd Feidt	MB	72 0	13,527	508
Oel-Dell Farms	H	33 8	13,818	504
Bryncoed Farm Jersey	J	137 7	10,599	502
Lauden Farms	H	157 9	13,935	501

305 Day Lactation Records
Above 600 Lbs. Fat

OWNER NAME OR NO.	AGE	LBS. MILK	% FAT	LBS. FAT
John Hertzler				
Honnie	3-4	19,984	3 5	704
Candi	3 4	15,644	4 1	634
Conewago Farms				
GR-35	5-3	14,063	4 5	630
592	15 3	17,498	4 6	800
Earl E Keefer				
Bretta	5-9	15,469	3 9	610
Calvin B Mauser				
Lucille	5-11	12,804	4 8	614
Nancann	4 0	15 797	4 4	694
John Roy Book				
Cindy	6 6	17 598	4 2	740
Ella	3 2	19,047	3 2	612
Stoney Lawn Farms				
Denise	3-8	19,777	3 3	655
Hannah	3-3	18,019	3 4	613
Ivy	3-3	22,003	3 2	700
Lytle Farms Inc				
Ella	7 2	20,569	4 6	946
Jello	6-7	18,126	4 1	741
Olga	6-6	18,029	4 8	857
Eden	5 1	16,948	4 1	687
Sugar	5 2	16,361	4 2	684
Charo	4-4	20,697	3 6	742
Jenifer	3-2	21,133	3 3	689
Bridie	3-2	19,773	3 4	663
Ethel	3 2	16,285	4 5	738
Belinda	3 2	22,916	3 6	834
Floyd Feidt				
Rainy	8-9	15,421	3 9	609
Mahlon L Lehman				
Minnie	10-2	18,553	3 6	670
Jenny	6-4	19,265	3 3	645
Dot2	4-5	17,785	3 4	601
Betz52	2-8	17,813	3 5	622

(Turn to Page B29)

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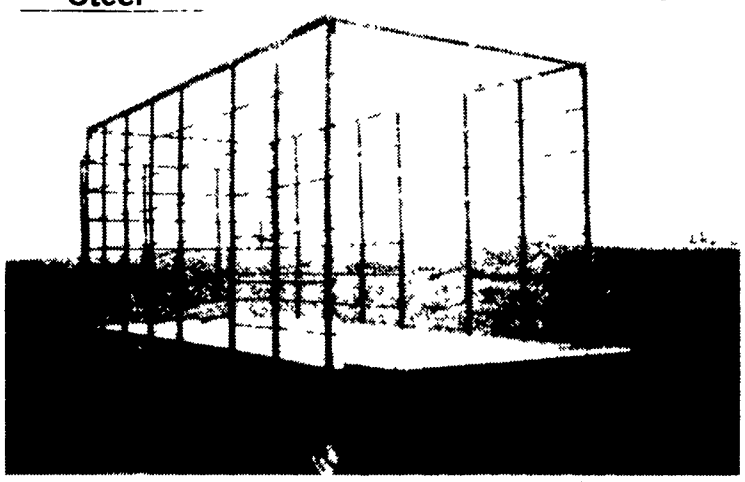

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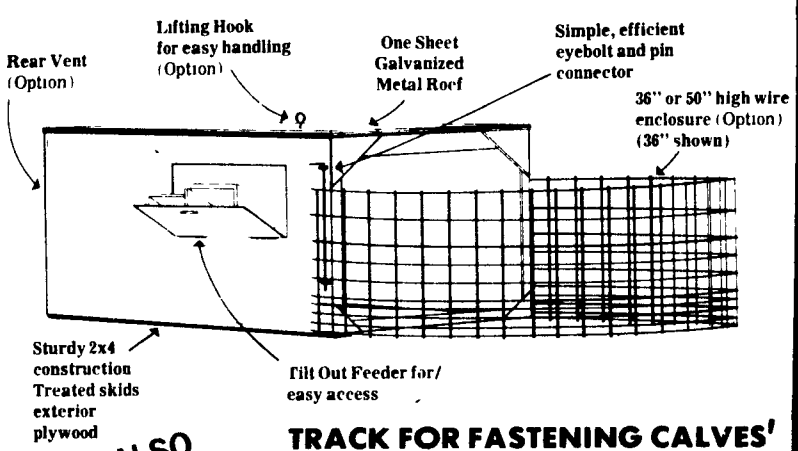
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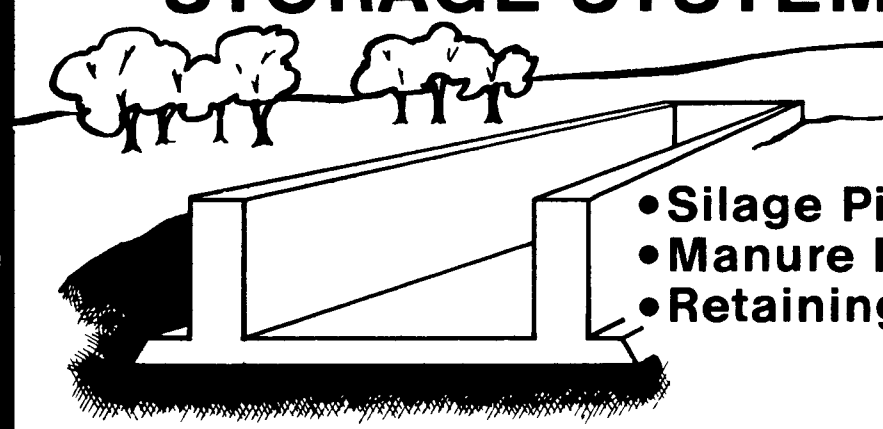

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Dauphin Co. DHIA

(Continued from Page B28)

Wilmer Campbell				
Maple	3 8	14,031	4 6	650
Carmine	3 4	14,794	4 3	642
Harold M Nissley				
Monica	8-3	17,602	3 5	614
Margo 19	4-2	18,229	4 0	724
Gabby4	4 4	17,506	3 5	609
Ardel2	3-1	17,011	3 7	633
Enka 24	3-5	18,030	3 6	643
R Own Dairy Inc				
74	7 7	14,891	4 2	626
77	2-3	14,902	4 3	647
J Richard Alwine				
Pamela	5 0	22,361	3 7	829
Jayne	3 11	18,202	4 3	783
Gertie	3-5	14,753	4 5	659
Kate	4-0	17,483	4 4	765
Joy4	3-5	18,379	3 4	632
Empress	3 2	18,814	3 5	652
Annie	5 1	18,789	4 4	835
Homer Campbell				
28	5 1	15,546	4 2	651
153	5-0	21,250	2 9	625
41	0-0	19,161	3 4	649
Catalpa Farms				
33	7-4	21,129	3 1	659
50	6-9	21,222	3 3	702
9	6-0	16,764	3 8	634
108	5-2	21,632	3 1	680
96	5 7	22,838	3 2	734
140	4-3	23,853	2 6	631
154	4 0	25,105	2 8	703
262	2 1	19,266	3 4	646
Stanley R Long				
Tami	5 5	17,619	4 0	708
Restful Acres				
Natalie	8-2	21,622	3 3	705
Direct	6-4	19,635	3 7	720
Nuts	3 0	25,524	3 4	859
Eva	2-3	19,823	4 0	801
Nice	2-0	16,828	3 7	622
Sophie	1-10	15,319	3 9	600
Robert H Beach Jr				
146	5-4	19,256	3 8	736
Lauden Farms				
129	5-9	19,863	3 6	713
97	4-8	20,271	3 0	618
138	4-10	19,268	3 1	601
Donald Engle				
48	6-8	15,625	4 1	645
Earl Campbell				
4	8 11	20,884	3 5	722
134	4 2	17 474	4 0	696
Paul E Clugston				
78	4 3	14,111	3 6	505
169	3-1	15,030	4 2	634
136	2 11	16,679	3 8	638
James Lesher				
BeeBee	7 2	17,926	3 4	609
Yvonne	3 2	19,967	3 9	775
Wil Lene Farms				
12	9 2	17 581	3 5	621
41	8 2	19,260	3 5	672
Roy C Wilbert				
Robin	4 0	22,827	2 7	618
A Grand View				
7	7 2	22 669	3 3	757
79	5-2	19,752	3 8	741
108	2 9	17 973	3 6	641
Amos Esh				
3	0 0	20,933	3 3	684
Noah W Sauder				
77	8-2	17,466	3 8	655
Arthur Brandt				
19	9-9	20,545	3 4	700
Toy	8-0	18,127	4 7	855
Ruby	7 2	21,286	3 6	756
Sassy	5 2	19,307	3 5	685
Mindy	3-6	20,944	3 3	699
18	3-4	17,037	4 1	697
Jean	2 2	18,318	3 5	644
Elwillo Farms				
24R	8-5	18,101	4 0	715
78R	8-8	20,219	3 5	715
156R	4-11	16,981	3 6	612

CLINTON COUNTY DHIA
November, 1983

The top herd in the Clinton County DHIA for November is owned by Paul L Courter

The top herd of Registered Holsteins completed this month with a Rolling Herd Average of 17,781 pounds of milk per cow, yielding 676 pounds of butterfat

Other top herds were Terry & Deb Dickey, 17,657 pounds of milk, 674 pounds of butterfat Anthony & Caroline Graine, 18,983 pounds of milk, 651 pounds of butterfat Blair & Elaine Courter, 17,760 pounds of milk, 640 pounds of butterfat Harold Muthler, 16,209 pounds of milk, 638 pounds of butterfat Keith L Stein, 17,552 pounds of milk, 607 pounds of butterfat J Henry Stoltzfus, 17,284 pounds of milk, 602 pounds of butterfat

The cows completing the highest lactation of 305 days or less was Lois, an 8-year-old Holstein owned by J Henry Stoltzfus Lois produced 21,861 pounds of milk testing at 4 1 percent, yielding 898 pounds of butterfat in 305 days

Other top producing cows were Ellen, owned by Paul L Courter, 23,951 pounds of milk, 3 6 percent, 852 pounds of butterfat Best, owned by Terry & Deb Dickey, 18,718 pounds of milk, 4 4 percent, 830 pounds of butterfat Ella, owned by Ward & Keith Carson, 20,173 pounds of milk, 4 1 percent, 829 pounds of butterfat Viola, owned by Samuel S King, 21,606 pounds of milk, 3 7 percent, 808 pounds of butterfat Bertha, owned by Samuel S King, 20,217 pounds of milk, 4 0 percent, 805 pounds of butterfat Drama, owned by Richard L Schenck, 20,816, pounds of milk, 3 8 percent, 791 pounds of butterfat Barbie, owned by Paul L Courter, 21,474 pounds of milk, 3 7 percent, 787 pounds of butterfat Joan, owned by Anthony & Caroline Graine, 21,435 pounds of milk, 3 6 per cent, 781 pounds of butterfat #26, owned by Keith L Stein, 20,978 pounds of milk, 3 7 percent, 778 pounds of butterfat Muffet, owned by Harold Muthler, 19,794 pounds of milk, 3 9 percent, 773 pounds of butterfat

GARRET CO. MD. DHIA
November, 1983

The following dairy farms were the top 20 producers in the Garrett County District according to the official DHIA records for November 1983 The records are based on actual milk and butterfat produced

Ezra Shrock	23	19,900	703
Jonas Kinsinger	26	19,819	694
Philip Beachy	41	19,575	690
Henry Tice	50	19,322	661
Carl Bender	63	19,062	736
Alton J Yoder	50	18,882	693
Oren Bender	68	18,881	693
Paul & Henry Kinsinger	46	18,728	735
Tobie Kinsinger	25	18,647	631
Edgar R Yoder	50	18,550	659
David W Yoder	43	18,359	682
Fred Petersheim	27	18,243	625
David Peachy	97	18,153	622
Menno J Yoder	33	17,736	621
Ernest L Ganoe	156	17,651	608
Paul Yoder	40	17,641	657
Charles Mason, Jr	75	17,496	656
Simon J Tice	37	17,375	576
Andrew Miller	62	17,368	577
Ernest E Yoder	88	17,360	643

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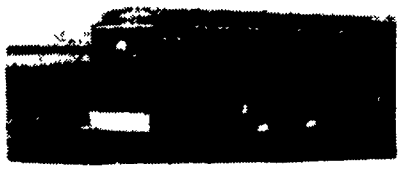

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Farm Talk

by

Jerry Webb

Delaware Extension

It may surprise some eastern folks to learn that while farmers are producing grain in overabundance and are receiving payments to hold land out of production, other farmers are plowing up erosion-prone virgin sod and turning it into cropland. The net effect is a much larger cropland base that has the ability in good cropping years to produce an overwhelming, oversupply of food. Farmers have been proving that with great regularity over the past several years until this year's PIK program idled millions of acres at considerable government cost. That, combined with poor growing conditions, has resulted in drastic reductions in the 1983 feed grain crops, and has caused a total rethinking of the government's policies on price supports, disaster payments, storage facility loans and a lot more.

The PIK program was a one-year deal, but a variety of other government aids have been available to farmers over the years. Some of these have encouraged production, others have curtailed it. There's no doubt this nation needs to maintain a strong, viable agriculture that can produce enough food for all of our people, plus a reasonable amount for export. To that end, government efforts have worked well. But if some farmers are holding land out of production while others are plowing up grassland that has never been tilled, and from a soil conservation point of view should never be tilled, then something is wrong.

Colorado Senator Bill Armstrong says millions of acres of fragile grasslands in Colorado and other western states have already been turned into farmland, and he blames the government. He thinks farmers believe they can make more money growing crops than by raising cattle. And so they have sold their livestock and have started cropping grassland.

Around here that doesn't seem like much of a problem. Just about every acre that's at all suitable is being tilled or at least it has been in recent memory. Land that once provided pasture for horses and cattle now grows corn and soybeans. Typically those were marginal fields, not well suited to the row crops of the day and so they were left in pasture. Out west, it's been a different story. Travelling west out of Amarillo, for instance, you come to a place where row crops are no longer grown, where cattle roam the parched acres searching for something to eat and where the thought of corn or wheat being grown is out of the question. But somewhere between that spot and Amarillo is a broad expanse of western plains where delicate decisions must be made. Is the ground suitable and is there enough moisture for crops? Or, is this forever grassland? Well Senator Armstrong and some other western legislators think the government has lured farmers into tilling this marginal ground with its price supports and other incentives. And so they want laws to stop it.

He almost put through the Senate last summer a bill that would deny price supports, storage facility loans, crop insurance, disaster payments, and even Farmers Home Administration loas to what he calls sodbusters—those farmers who plow up fragile grassland that has not been plowed in the past 10 years. Of course this bill is very controversial and many observers immediately oppose it because it seems to tell farmers what they can do with their land. But as Armstrong says, "Farmers can do anything they choose with their property. We simply want to get the government out of the soil erosion business."

And now, Congressman Ed Jones from Tennessee has introduced a similar bill that goes a step further. It includes inducements to get farmers to retire that fragile land from crops and seed it back to grass.

Farm organizations are lining up on both sides of this issue. It's a delicate question with serious overtones. And the spectre of cross compliance puts a lot of farmers into a fit. They don't want to be forced to do something unpalatable on one hand just so they can reap financial rewards on the other.

I'm afraid the Congress in its wisdom will take a broad view while looking at our oversupply and expensive PIK program. They will view those marginal acres as unnecessary to our production base and will insist on getting some of them back into grassland and will want to prohibit any further grassland plowing.

There seems to be a serious conservation movement afoot in this country and perhaps it's about time. We are already blessed with a chronic oversupply of food and feed crops. So why not hold the line on the production base and maybe even reduce it a little through some government cross compliance activities? Don't be too surprised to see this happen in the next Congress.

Court upholds USDA

WASHINGTON, D.C. — A U.S. Appeals Court has upheld the U.S. Department of Agriculture's authority to refuse the registration of anyone to operate as a market agency when the registration would circumvent a suspension order.

The U.S. Seventh Circuit Court issued the ruling in response to Diane Mattes' appeal of USDA's refusal to accept her registration under the Packers and Stockyards Act to operate Mattes Livestock Auction, Inc., Thorp, Wisc., during a 21-day suspension period.

The auction firm and Philip Mattes, Jr., Mattes' husband, had agreed in April 1982 to suspensions and cease and desist orders to settle charges that they had shortages and had misued funds in the market's custodial account.

B.H. Jones, head of USDA's Packers and Stockyards Administration, said the firm's 21-day suspension will start Jan. 8.

"The court's ruling strongly affirms USDA's long-established position that the provisions of a suspension order must not be circumvented, and USDA will continue to pursue that policy," Jones said.

Market agencies are required, under the Packers and Stockyard Act, to protect funds due to consignors from the sale of their livestock.

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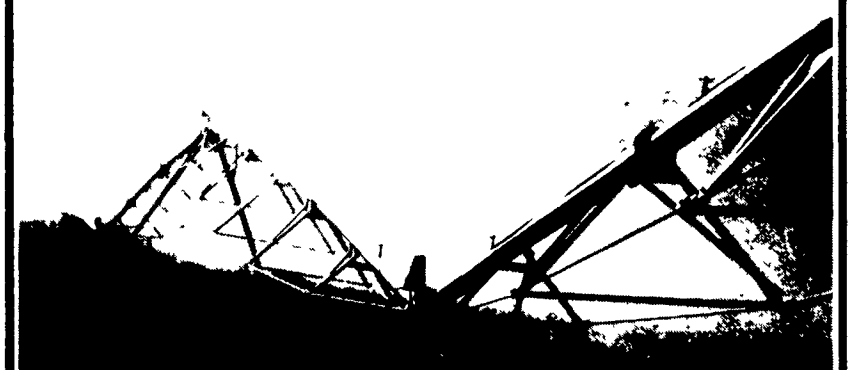

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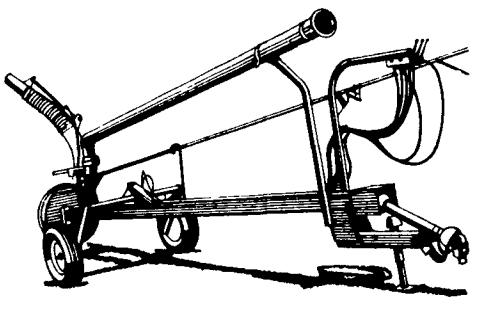

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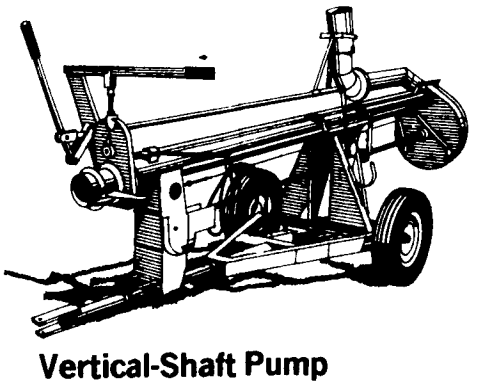
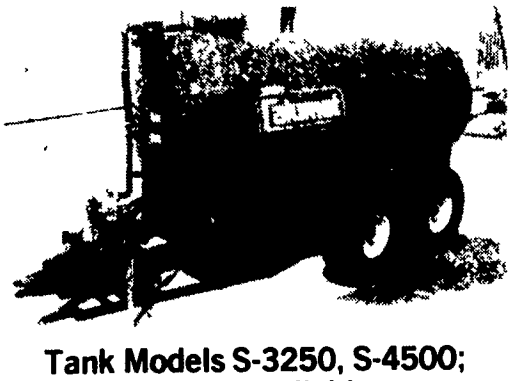


Vertical-Shaft Pump



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Juniata County DHIA

dhia
Pennsylvania Dairy Herd Improvement Association

Annual Report

The Juniata County Dairy Herd Improvement Association finished it's sixtieth year September 30, 1983, with 86 whole year and 14 owner sampler herds

1983 Rolling Herd Averages
(above 600# butterfat)

OWNER	BREED	NO. COWS	LBS. MILK	LBS. FAT
Harold B Shearer	G&RH	38 2	19,988	762
Mark L Zook	G&RH	52 4	19,840	750
W Harshbarger&Sons	G&RH	42 3	18,545	739
James C Graham	RH	32 3	19,280	739
Larry&David Noss	RH	60 2	19,432	726
Barry E Lucas	G&RH	38 6	18,551	723
J William Peoples	RH	30 7	18,705	721
Rick&Ralph Saner	RH	48 7	18,884	705
Kenneth P Deamer	G&RH	52 9	19 197	700
Russell J Dressler	G&RH	35 8	17,419	698
C Orlyn Saner	G&RH	45 1	17,670	686
Charles C Saner	G&RH	53 9	17,889	685
Roy&Glen Henry	G&RH	40 4	18,075	683
Marvin E Pontius	G&RH	32 2	18,062	682
Glen B Simonton	G&RH	192 0	17,181	681
Luther C Maben	RH	32 0	18,708	674
Freeburn&Norman Love	RH	50 6	16,787	667
Charles Wochley	RH	60 2	17,319	663
SF Metz	G&RH	87 6	17,134	658
Grand Hope Farm	RH	178 0	16,163	651
RE Shearer&Sons	G&RH	58 7	17,665	651
James H Speer Jr	G&RH	58 3	17,409	644
James L Swartz	RH	38 9	17,814	644
Raymond E Kauffman	G&RH	60 5	17,533	642
Daryl&Delbert Brubaker	RH	63 1	17,571	642
Donald Adams	G&RH	50 2	16,895	636
Willis Sharp	G&RH	30 8	16,581	635
George M Stewart	G&RH	31 0	16,430	634
Clyde D Moyer	RH	37 3	17,436	628
Rodney&Brenda Conrad	G&RH	42 1	18,245	627
Glenn&Shirley Graham	G&RH	52 5	17,016	627
Edmund K Book	RH	39 9	16,192	623
Donald&Diane Apple	G&RH	69.0	16,334	622
Ronald Mummah	G&RH	37 3	16,719	619
Iskcon Farms	RBS	16 2	14,586	617
James&Trudy Wagner&Son	GH	64 0	15,163	614
Zimmerman Brothers	RH	75 5	16,011	613
Donald R Weaver	G&RH	40 3	17,390	609
James&Anne Faulkner	G&RH	47 5	17,365	609
Richard B Crawford	RH	51 8	16,200	606
George Love&Son	RH	52 1	16,622	605

Somatic Cell
Count Award
Individual Cow Records

One hundred seven cows completed one lactation of 305 days or less with an average of 850 pounds or more of butterfat and/or 23,000 pounds of milk or more with a minimum of 800 pounds of butterfat

OWNER NAME OR NO.	BREED	LBS. MILK	LBS. FAT
Zimmerman Brothers			
Heidi	RH	29,450	1,105
Fay	RH	25,173	985
Fancy	RH	22,365	875
Roy&Glen Henry			
Monica	RH	23,211	1,100
Iris	RH	23,736	1,026
Josie	RH	23,721	992
Grand Hope Farm			
Shasta	RH	23,907	1,091
68	RH	25,445	1,043
59	RH	24,109	968
Boob	RH	23,543	948
140	RH	19,460	898
Reba	RH	21,088	881
9	RH	22,133	873
55	RH	21,639	854
Oatsy	RH	24 229	834
Larry&David Noss			
24	RH	22,278	1,076
63	RH	23,695	1,062
1A	RH	26,069	1,014
47C	RH	26,208	985
20	RH	24,369	970
55	RH	26,534	935
53A	RH	24,256	903
57	RH	24,850	866
16B	RH	22,080	861
Jay C Finkbiner			
Vera	GH	24,331	1,029
C Orlyn Saner			
Tammy	GH	25,765	1,016
Kelley	RH	22,515	951
Janet	Mx	24,371	890
Carmen	RH	22,265	857
Mark L Zook			
Humpy	GH	21,783	1,000
Lode	RH	26,684	928
Vern	RH	25,334	877
Linn	RH	23,171	868
Glen B Simonton			
238 Trix	RH	24,395	993
350	RH	19,819	972
235 Terr	RH	23,446	968
006 Boni	RH	23,126	932
333 Alma	RH	22,799	922
034 Jedd	RH	24,167	910
001 Bell	RH	23,903	907
102 Hone	RH	20,735	888
030 Gem	RH	23,725	869
338 Elma	RH	20,417	867
305	GH	25,521	821
W Harshbarger&Sons			
Snoopy	GH	21,086	989
Ginger	GH	24,455	883
Ann	GH	21,105	877
SF Metz			
Nadine	RH	20,975	987
Sugar	RH	22,258	968
Betsy	RH	24,430	848
Barry E Lucas			
67	GH	22,156	986
98	RH	23,607	965
76	GH	20,256	948
60	GH	24,630	938
74	RH	23,568	856
Harold B Shearer			
Eagle	RH	28,087	983
Fanny	RH	26,440	969
Maude	RH	24,298	928
Ester	GH	27,482	912
Dell	RH	24,152	910
Kitty	RH	24,106	858
Candy	RH	25,177	823
Charles Wochley			
67	RH	22,094	982
9	RH	22,454	971
68	RH	22,143	969
10	RH	20,735	927
57	RH	24,638	895
22	RH	18,629	853
2	RH	23 779	832
James C Graham			
Roseann	RH	22,720	980
Carrie	RH	21,760	920
Jean	RH	23,003	841
Nancy	RH	24,517	822
Rick&Ralph Saner			
Glori	RH	22,346	978
Flex	RH	21,874	923
Edwina	RH	22,210	918
May	RH	21,549	871
Lou	RH	24,156	848
Russell J Dressler			
Fay	GH	24,412	976
Kenneth P Deamer			
Beryl	RH	25,517	975
Faye	RH	25,691	956
Charles C Saner			
15	GH	24,576	963
16	RH	23,535	832
Mervin R Zendt			
Gertie	RH	25,656	959
Sugar	RH	23,459	881
Luther C Maben			
16	RH	25,720	925
31	RH	23,342	852
James H Speer Jr			
Babs	GH	19,590	921
Sandy	RH	22,538	878
Donald&Diane Apple			
106	GH	22,535	916
136	GH	23,876	904

(Turn to Page B32)

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Sheetz attends Chesapeake meeting

HARRISBURG — As a member of the Joint Legislative Air and Water Pollution Control and Conservation Committee of the State House of Representative, Terry Sheetz, of Lancaster County, attended a Virginia meeting on the cleanup and preservation of the Chesapeake Bay.

Pennsylvania's role in the bay's future is vital because of the vast percentage of the bay's waters that flow from the Susquehanna River, Sheetz said.

While Pennsylvania's industrial pollution of the bay is not as high as the four other states in the Chesapeake's watershed, 75 percent of the nitrogen flowing into the bay comes from the Susquehanna, Sheetz explained. The primary source of that nitrogen is fertilizer runoff from Pennsylvania farms.

Speaking on behalf of Pennsylvania Lt. Gov. William Scranton told environmentalists and government officials at the meeting that the Commonwealth planned to channel $2 million into efforts to tackle the runoff problem.

Steps are expected to include more research into nitrogen and manure management; the addition of more technical people in conservation districts to help farmers to update conservation plans and practices; and financial incentives for farmers to apply best land management practices.

In finding a way to improve and sustain the quality of Chesapeake Bay water, it's more important to realize that fertilizer runoff is bad for both farmers and environmentalists.

Pollution in the upper portion of the bay is said to have doubled since 1960, so quick action is essential. The cleanup effort is especially important since the Chesapeake is the largest inland waterway in North America and the greatest provider of marine life outside of the Atlantic and Pacific oceans.

Juniata Co. DHIA

(Continued from Page B31)

Daryl&Delbert Brubaker			
47Kit	RH	18,556	915
28Linda	RH	21,724	878
37Salt	RH	25,038	817
George M Stewart			
32	GH	24,245	912
35	RH	24,649	831
Marvin E Pontius			
Plenty	RH	21 441	912
Freeburn&Norman Love			
Ginger42	RH	24 705	906
J William Peoples			
Dot	RH	25,551	902
E Marlene Peoples			
138	RH	26 263	900
Raymond E Kauffman			
Lady 233	RH	24,856	876
158	GH	24 532	843
Ronald Mummah			
Lucky	GH	18,281	868
Rodney&Brenda Conrad			
65	GH	21,138	866
George Love&Son			
Ivy	RH	23,564	838
James L Swartz			
Trump	RH	24 737	822
Earl R Frymoyer			
Dottie	RH	23 557	803

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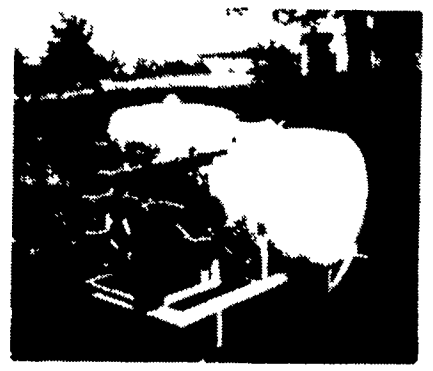

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CUMBERLAND COUNTY DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

Report For November

Cumberland County Dairy Herd Improvement records show that 6,671 cows in 106 herds were on production testing in November according to Duane G Duncan, County Agent Of the 89 herds in DHIA, 30 herds has an average fat production of 600 pounds During the month 110 completed their 305 lactation with 650 lbs of butterfat DHIA Supervisors working with the dairymen to improve efficiency include Harold Boldosser, 130 Old Gap Road, Carlisle, John Rolar, R D #, Newville, Owen McCulloch, R D #2 Newville, and Shane Henry, R D #2, Newville

The following are the highest of actual butterfat in 305 days or less in the county during the month The age listed is her age at the time of freshing

OWNER NAME OR NO.		AGE	LBS. MILK	LBS. FAT
Ashcombe Dover Dairy 107	RH	4	24 532	888
Carl Kelso Jr 25	GH	6	23,319	881
Fred&Chris McGillvray 8	RH	3	26,750	877
Alfred Gaisler Melody	RH	7	23,384	860
Berkheimer Farms 79	GH	7	20,922	852
Nevin Shughart Daisy	GH	5	21 077	848
Sundays Vallilea Farms 402	RH	4	24 999	847
Ashcombe Dover Dairy 7	GH	5	19,102	847
Donald&Dave Lehman 9	RH	4	24,093	833
JB Brymesser&Sons 387	RH	4	24 774	823
M Thomas Sheaffer Jel	RH	5	22 196	819
Kenneth E Zeigler Tessie	RH	6	19 275	814
Ashcombe Dover Dairy 79	RH	5	23,709	812
Ashcombe Dover Dairy R114	RH	4	22,540	812
JB Brymesser&Sons 200	GH	8	20,839	812
Ashcombe Dover Dairy 139	GH	3	29,078	810
Donald&Dave Lehman 200	RH	3	17 878	806
Ashcombe Dover Dairy 18	GH	5	25,810	793
Ashcombe Dover Dairy 138	GH	3	22,805	789
Robert&Donald Strock Dolly	RH	6	18,451	789
Robert H Jamison Queenie	RH	7	24,009	786
Norman Hertzler Silvia	RH	4	20 655	783
Ashcombe Dover Dairy R152	RH	3	22,573	775
Ashcombe Dover Dairy R76	RH	5	22,782	771
Robert&Donald Strock Nanette	RH	4	16,783	767

OWNER NAME OR NO.	BREED			LBS. MILK	LBS. FAT
Ferman L Landis	B3	40	89	17,768	702
Carl Kelso Jr	B3	56	91	19,306	687
M Thomas Sheaffer	3	57	86	19,141	681
Ashcombe Dover Dairy	B3	264	87	19,455	678
Ashcombe Farms	B3	266	85	19,055	668
Nevin Shughart	B3	32	88	18,862	667
Sundays Vallilea Farms	B3	159	88	19,352	666
Berkheimer Farms	B3	144	86	17,932	665
J David Martin	B3	41	88	17,868	663
Donald M Leatherman	B3	36	89	17,914	651
Donald&Dave Lehman	3	69	88	18,204	648
Paul Strock	3	123	88	18,120	648
Samuel D Shenk	B3	59	87	17,698	647
Norman Hertzler	3	35	86	18,080	639
Thrush Brothers	3	107	85	17,031	633
Elmer Gettle	B3	50	88	16,381	630
Daniel L Martin Jr	B3	64	88	17,666	622
Marlin Miller	B3	47	87	17,547	622
Christ-Barbara Lapp	B3	35	84	16,500	621
John E Lapp	B3	43	86	17,655	619
Fred B McGillvray	3	34	88	16,186	618
Paul B Sensenig	B3	37	86	16,695	616
Lee G Davidson	3	58	88	16,668	616
J Shephard Wolff	3	51	87	16,533	615
Alfred Gaisler	B3	44	87	17,787	614
Kenneth E Zeigler	3	45	89	16,832	614
Robert&Donald Strock	3	103	89	16,704	613
Clifford Chamberlin	3	43	83	16,423	613
Herbert B Shughart	3	27	89	17,367	612
Fred&Chris McGillvray	B3	49	84	18,129	606

Lactation Report

Otto Brothers				
258	7	18,066	3 7	661
209	6	18,712	3 9	729
139	5	21,500	3 0	652
Robert&Donald Strock				
Maude	7	20,576	3 6	744
Dolly	6	18,451	4 3	789
Cookie	3	17,895	3 7	659
Tuna	4	17,701	3 9	690
Nanette	4	16,783	4 6	767
Norman Hertzler				
Silvia	4	20,655	3 8	783
Steam	4	23,700	2 9	699
Ruby	3	14,292	4 8	680
Sundays Vallilea Farms				
37	5	23,987	3 0	721
402	4	24,999	3 4	847
350	3	23,440	2 8	656
JB Brymesser&Sons				
139	9	20,448	3 4	701
200	8	20,839	3 9	812
387	4	24,774	3 3	823
Galen&Linda Smith				
Susan	5	20,813	3 5	719
Thrush Brothers				
57	4	19,321	3 6	690
109	2	19 060	3 4	651
Donald&Dave Lehman				
2	7	22,165	3 3	739
9	4	24,093	3 5	833
52	3	18,616	3 7	691
95	3	19,120	3 7	702
200	3	17 878	4 5	806
Paul Strock				
Pansy	4	19,498	3 3	653
Harmony	3	15,985	4 3	683
Value	3	20,613	3 6	751
Paul O Dyarman				
Molly	6	21,498	3 6	764
Harry&Paul Hock				
Lela	6	19,561	3 9	755
Bula	4	17,597	3 7	651
J Glenn Glesner				
34	4	18,263	3 6	664
Alfred Gaisler				
Melody	7	23,384	3 7	860
Noel	3	20,109	3 7	747
J Shephard Wolff				
Barbara	4	18,062	3 7	673
Her Joy Farms				
Hazel	6	18,838	3 5	657
Ashcombe Dover Dairy				
R259	8	19,308	3 4	657
R273	8	20,799	3 2	657
R34	6	23,871	3 2	758
R45	6	21,152	3 2	673
7	5	19,102	4 4	847
18	5	25,810	3 1	793
R76	5	22,782	3 4	771
R79	5	23,709	3 4	812
R97	4	23,033	3 1	712
81	4	25,953	2 6	672
R107	4	24,532	3 6	888
95	3	18,611	3 8	705
R114	4	22,540	3 6	812
128	3	19,342	3 5	676
R150	3	24,327	3 1	758
138	3	22,805	3 5	789
139	3	29,078	2 8	810
R151	3	17,756	3 7	655
R152	3	22,573	3 4	775
R198	2	18,216	3 6	653
182	2	19,113	3 5	668
Carl Kelso Jr				
25	6	23,319	3 8	881
28	4	20,330	3 3	666
5	3	19 205	3 7	717
John E Lapp				
Princes	9	21,785	3 3	722
Holly	5	22,665	2 9	665
Vicky	4	22,478	3 3	737
Chester C Weaver				
Ginger	4	16,873	4 2	706
Samuel D Shenk				
Mary	4	20,595	3 5	723
Vubee	4	20,810	3 6	756

(Turn to Page B34)

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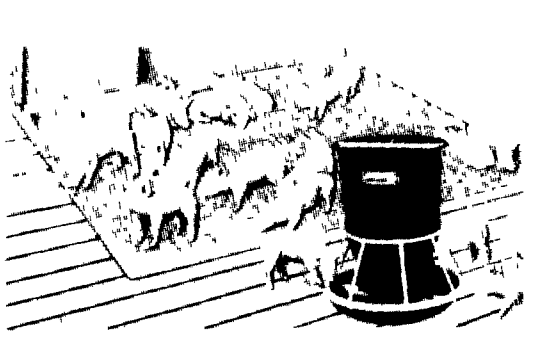

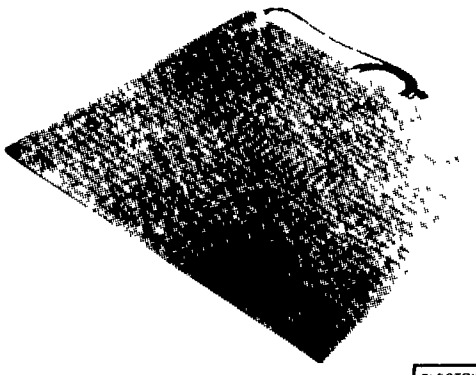

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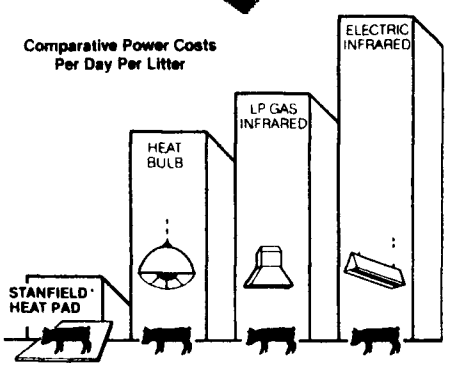

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Cumberland Co. DHIA

(Continued from Page B33)

Robert H Jamison				
Queenie	7	24,009	3 3	786
Barbara	7	21,182	3 6	759
Oscar Nealy&Sons				
26	6	23,734	3 0	719
Berkheimer Farms				
79	7	20,922	4 1	852
73	6	20,253	3 7	748
152	6	21,425	3 1	660
148	3	20,960	3 5	729
35	3	19,747	3 7	723
90	3	17,583	4 2	732
Fred&Chris McGillvray				
8	3	26,750	3 3	877
53	4	18,362	4 1	750
Kenneth E Zeigler				
Jerry	9	20,152	3 6	717
Tessie	6	19,275	4 2	814
Pearl	8	18,985	4 0	766
John F Stoltzfus				
Goldie	3	22,108	3 3	727
Allen B Martin				
83	4	16,766	3 9	661
Five Oaks Farm				
7	8	20,129	3 3	664
Ferman L Landis				
30	7	22,339	3 1	703
38	4	20 088	3 7	740
47	3	15,238	4 4	665
Marlin Miller&Sons				
48	7	22,868	3 3	746
J David Martin				
Jill	5	20,650	3 5	730
Julia	7	22,151	3 2	714
Mindy	4	17,684	4 0	708
Roy E Deitch&Sons				
76	6	17,152	4 2	715
78	2	15,855	4 6	726
Raymond M Burkholder				
38	7	18,158	3 6	656
7	3	19,107	3 5	668
Stanley Reinford				
4	7	19,493	3 6	699
39	2	20,585	3 3	676
Christ-Barbara Lapp				
Robin	5	19,377	3 7	725
Glen Newswanger				
2	2	15,534	4 2	653
Ed Kathy Kuntzelman				
29	3	19,276	3 9	761
M Thomas Sheaffer				
Inka	9	19,716	3 5	694
Ida	3	19 364	3 4	656
Jel	5	22,196	3 7	819
Pat	2	18,185	3 9	708
Mains Acres				
141	10	19,245	3 5	678
Nevin Shughart				
Daisy	5	20,177	4 2	848
Robert E Keefer				
65	6	22,454	3 2	720
16	4	17,014	3 9	664
122	1	18,348	3 6	653

SULBRA CO. DHIA
November Report
Rolling Herd Averages (650 lbs. Butterfat and Over)

Raymond Norconk	3	41 5	86 6	18122	698
Dennis Vickie Boyd	3	30 7	89 2	20570	686
Geo & Wm Lambert	3	116 5	89 7	18390	683
William Hottenstein	3	50 0	83.8	18546	681
Ronald Hembury	3	71 5	86 9	17385	655
Joan M Woodhead	3	24 5	87 5	16982	650

Completed Lactations of 750 pounds or more of butterfat

C E Arey & R Coombs							
Anges	3	4 4	305	20436	4 4	898	3
Ronald Hembury							
Babble	3	3 10	305	22288	3 8	846	2
Phyllis	3	4 8	305	19468	4 0	775	3
Cindy	3	8-9	305	20489	3 7	764	7
Geo & Wm Lambert							
Bridget	3	6 1	305	20819	4 0	834	5
Teresa	3	5-4	305	20401	4 1	830	4
Loretta	3	5-0	305	20921	3 9	813	4
Kiki	3	6 3	302	20639	3 7	755	5
William Hottenstein							
Nicole	3	7 2	305	24400	3 4	826	6
Earl & James Warburton							
Marta	3	5-4	305	19101	4 3	825	4
Wanda	3	4-0	305	21484	3 5	757	2
Raymond Norconk							
Petula	3	2 2	305	17835	4 2	755	1
Joan M Woodhead							
Billie	3	4-5	301	16523	4 5	746	3
Richard R Higley							
Sarlea	3	8-6	265	18797	3 9	741	7

CARROL-BALTIMORE DHIA
November Report

Harry W Roach, III, New Windsor has the herd with the highest average for the month of November according to figures just released by the Carroll-Baltimore Dairy Herd Improvement Association

During the month of November 115 dairymen in Carroll-Baltimore Counties participated in this program Listed below are the top ten herds based on their herd averages over the past year

Harry W Roach, III	73	18980	762
Francis H Barnes	62	18104	723
Del-Myr Farm	100	19172	711
Maple Lawn Farm, Inc	162	18624	706
Marlin Hoff	413	19049	696
Preston & Jeannie Green	64	17451	673
Cedar Knoll Dairy Farm	64	16093	669
F Lindsay Wilson	83	18678	660
William Hesson	45	16963	654
William J Dickinson	77	16499	654

BUCKS COUNTY DHIA
1983 Annual Report
Individual Herd Records

Fifty-two herds with an average of ten or more cows ex ceeded an average production of 400 pounds of butterfat

Crooked Acres Dairy	RH	59 4	86 7	19,591	720
J Howard Roth	RH	34 6	86 7	20,003	708
David R Wolfinger	RH	35 2	91 1	20,061	695
Wilmer W Rush	RH	31 9	91 1	19,061	695
Breezyvale Farms	RH	86 5	89 4	19,340	693
Richard O Smith	RG	70 8	88 2	14,781	687
Walter&David Wurster	RH	60 7	88 8	19,547	683
Theodore S Wilson	R&GH	69 3	87 2	19,131	680
Del Valley College	RH	38 7	84 2	18,688	678
Del Valley College	Br Sw	11 7	89 3	15,477	650

Egg production listed

HARRISBURG — November 1983 egg production in Pennsylvania totaled 368 million, according to the Pennsylvanian Crop Reporting Service. The average number of layers on hand during November was 17.4 million. Egg production per 100 layers was 2,121.

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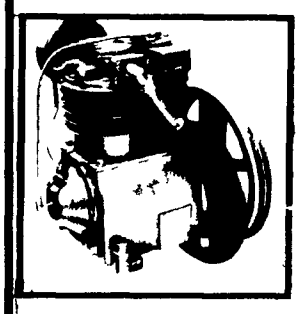

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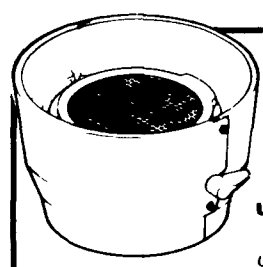

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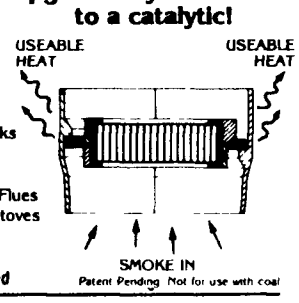

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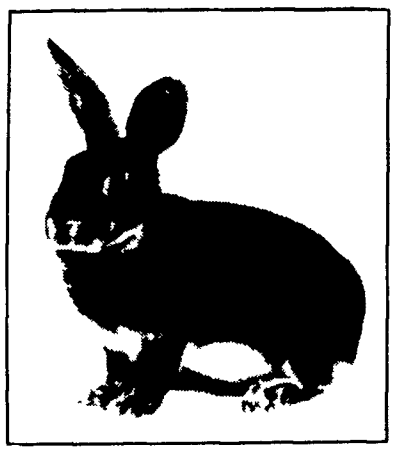

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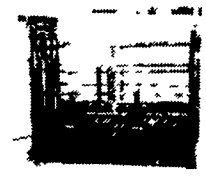

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Lancaster names county, community ASCS units

LANCASTER — The Lancaster County Agricultural Stabilization and Conservation Service office announces the results of the December election of County and Community Committee members.

LeRoy H. Welk, Quarryville, was reelected chairman of the ASC County Committee. H. Grant Troop, Quarryville, was elected to Vice Chairman of the County Committee and Ronald E. Kline, Lititz, was elected as the Regular Member. Harold B. Kreider, Lititz, and Robert E. Martin, New Holland, were elected First and Second Alternates of the County Committee.

The following people were elected to Community Committees:

Community No. 1, Conoy, West Donegal & Mount Joy Townships: Chairman, Victor F. Dohner, R1 Elizabethtown; Vice Chairman, Paul M. Wolgemuth, Elizabethtown; Regular Member, J. Richard Snavely, Elizabethtown; First Alternate, Harvey W. Espenshade, Elizabethtown; Second Alternate, Wesley Gerber, Bainbridge.

Community No. 2, East Donegal & West Hempfield Townships: Chairman, Donald C. Drager, R1 Marietta; Vice Chairman, Harold W. Ney, R1 Marietta; Regular Member, Paul S. Sauder, Lancaster; First Alternate, Kenneth E. Zurin, R3 Mount Joy; Second Alternate, Robert P. Hoffines, R1 Marietta.

Community No. 3, Rapho Township: Chairman, Albert Breneman, R2 Manheim; Vice Chairman, Robert L. Brubaker, R2 Manheim; Regular Member, Paul N. Newcomer, R3 Mount Joy; First Alternate, Jere E. Swarr, R2 Manheim; Second Alternate, Galen N. Benner, R3 Mount Joy.

Community No. 4, Penn, Warwick & Elizabeth Townships: Chairman, Clinton F. Rohrer, Lititz; Vice Chairman, Isaac G. Geib, R5 Manheim; Regular Member, Forney F. Longenecker, Lititz; First Alternate, John J. Mumma, Lititz.

Community No. 5 East Cocalico, West Cocalico, Brecknock & Clay Townships: Chairman, David D. Zimmerman, R1 Reinholds; Vice Chairman, Earl E. Martin, R1 Ephrata; Regular Member, Daniel Burkholder, Denver; First Alternate, Ronald L. Meck, R2 Denver; Second Alternate, H. Robert Hughes, R1 East Earl.

East Earl & Earl Townships: Chairman, Walter Clair Martin, R2 New Holland; Vice Chairman, Eli S. Eby, R1 New Holland; Regular Member, M. Timothy Hoober, R3 New Holland; First Alternate, Herbert L. Mast, R1 Morgantown; Second Alternate, Merle Stoltzfus, Elverson.

Community No. 7, Ephrata, West Earl & Upper Leacock Townships: Chairman, Luke Ray Zimmerman, R4 Ephrata; Vice Chairman, John J. Landis, 37 Quarry Rd. Leola; Regular Member, John R. Groff, Leola; First Alternate, LeRoy H. Martin, R2 Ephrata.

Community No. 8, Salisbury & Leacock Townships: Chairman, Raymond M. Hoover, R1 Gap; Vice Chairman, Fred G. Seldomridge, Jr., R1 Gap; Regular Member, Melvin J.Martin, R1 Gap; First Alternate, Chester R. Eby, R1 Kinzers; Second Alternate, Jacob L. Kreider, R1 Kinzers.

Community No. 9, East Lampeter, West Lampeter & Lancaster Townships: Chairman, J. Nelson Harnish, R1 Willow Street; vice Chairman, Kenneth B. Garber, R2 Willow Street; Regular Member, Glenn P. Book, Lancaster; First Alternate, Mervin H. Bare, Witmer; Second Alternate, David S. Hess, Lancaster.

Community No. 10, Manheim & East Hempfield Townships: Chairman, Earl N. Landis, R7 Manheim; Vice Chairman, James E. Kettering, R7 Manheim; Regular Member, Nelson L. Rohrer, Lancaster; First Alternate, Lester E. Landis, Jr. R3 Lititz; Second Alternate, Lynn H. Royer, Lancaster.

Community No. 11, Manor, Conestoga & Pequea Townships: Chairman, Carl Harnish, R6, Lancaster; Vice Chairman, J. Robert Kindig, R1 Conestoga; Regular Member, J. Clayton Charles, R2 Lancaster; First Alternate, Nelson R. Habecker, R2 Lancaster; Second Altelrnate, J. Robert Musser, Lancaster.

Community No. 1,2 Eden, Bart & Sadsbury Townships: Chairman, Lloyd H. Welk, Quarryville; Vice Chairman, Kenneth Stoltzfus, R1 Christiana; Regular Member, J. Kenneth Landis, R2 Christiana; First Alternate, G. Preston Lefevre, Jr., R3 Quarryville.

Community No. 13, Strasburg & Paradise Townships: Chairman, Richard W. Barge, R2 Ronks; Vice Chairman, James C. Landis, Ronks; Regular Member, J. Edwin Rohrer, Paradise; First Alternate, James W. Bowman, Ronks; Second Alternate, Donald L. Ranck, Paradise.

Community No. 14, Martic, Providence, Drumore & East Drumore Townships: Chairman, Samuel H. Kreider, R1 Quarryville; Vice Chairman, Wilmer P. Bolton, R1 Holtwood; Regular Member, Robert S. Smith, R1 Drumore; First Alternate, E. Benjamin Shank, R2 Holtwood; Second Alternate, Harold Findley, New Providence.

Community No. 15, Fulton, Little Britain & Colerain Townships: Chairman, G. Victor Brinton, R1 Peach Bottom; Vice Chairman, Donald B. Trimble, R2 Peach Bottom; Regular Member, A. Dale Herr, R1 Kirkwood; First Alternate, Fred W. Crider, R2 Nottingham; Second Alternate, Jay L. Ranck, R2 Peach Bottom.

Is seed supply tight?

NEWARK, Del. — Delaware farmers could face a tight situation on seed supplies for some major crops in 1984, according to University of Delaware extension agronomist William H. Mitchell. He attributes the tight supplies to last summer's drought, which cut seed yields, and to larger anticipated plantings of some crops in 1984.

"Right now, I'd say the situation is nip and tuck," Mitchell says. Corn and soybeans are the two major crops most likely to be affected by shortages. The drought resulted in poor pollination and ear-fill on corn. It also reduced soybean yields, and part of that crop is still waiting to be harvested.

Mitchell says corn seed supplies are being increased this winter in Central America and Florida and should be ready for spring planting. The wheat crop already is planted and growing well.

"My advice to farmers is to get in touch with your seed suppliers now," the specialist says. "Decide what varieties you want and the amounts you need, and you might want to go ahead and take delivery."

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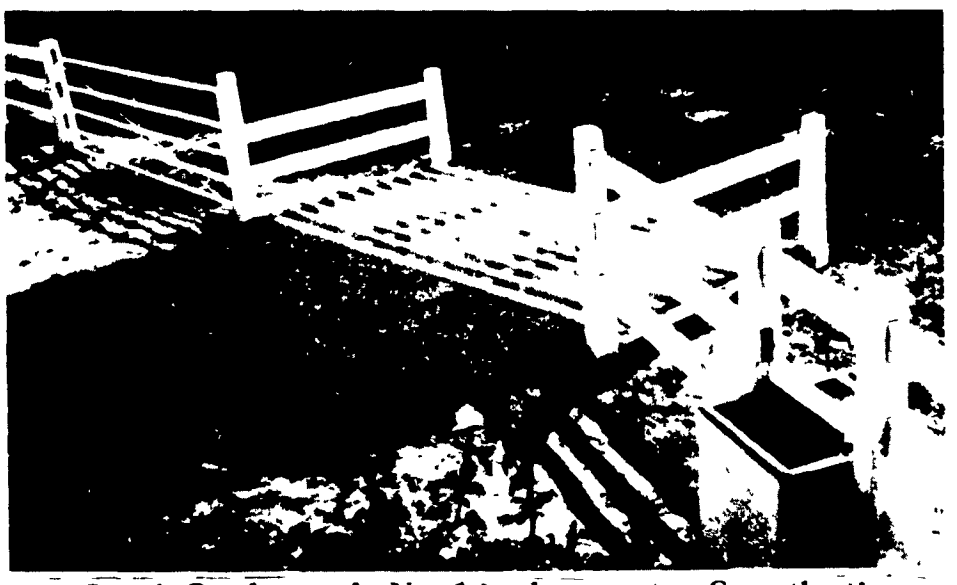

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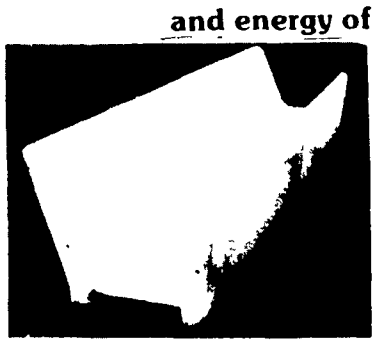

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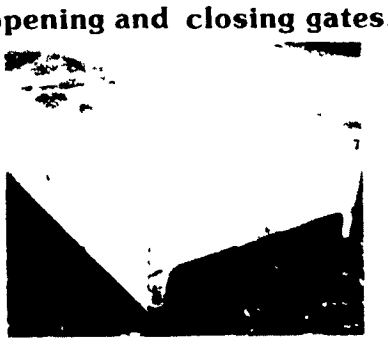

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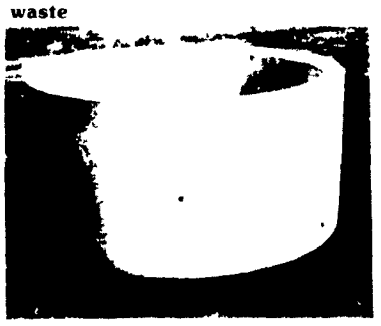

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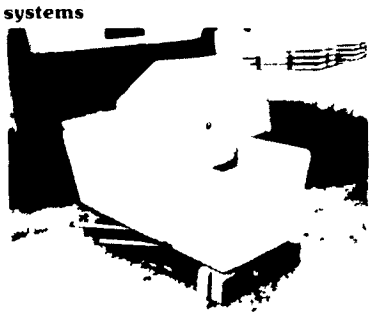

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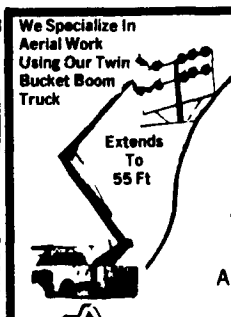

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4-H'ers Get Mobility Training

NEWARK, Del. — What happens when a 15-year-old has a job interview on the other side of town? Or when a 12-year-old wants to see the model train display at the mall? If there's no one around to drive them, they're out of luck. Or at least they may think they are.

University of Delaware Extension 4-H Agent Mark Manno has initiated a program he calls "Survival Skills," designed to help youngsters solve problems without having to rely on their parents. In Part I, "Mobility Training," he's teaching them how to ride a bus. For someone who has never done this before, there's quite a bit to learn.

Manno originated the program at the request of staff members of Wilmington's West End Neighborhood House, where children in the afterschool program have their own 4-H club. The staffers saw the need for kids to be able to cook a basic meal, read a newspaper, wash their own clothes, and solve some of their own transportation problems. Learning through doing is an important part of 4-H philosophy.

On a recent Wednesday afternoon, Manno introduced the West End 4-H'ers to Carolyn Rife, and information officer for the Delaware Administration for Regional Transit (DART). She gave each youngster a bus schedule, and showed them how to look for the proper route number on the front of the bus. She also explained how to use DART's information telephone number to find out which bus to take to a particular destination. She explained the need for exact change, and how to use a transfer.

Rife gave them a crash course in bus etiquette: no eating, drinking, smoking or loud noises; save the front seats for the elderly and handicapped; call the information number, if necessary, before you board, so you won't have to bother the driver unless absolutely necessary.

She explained where to put the money, and how to signal the driver when you want to get off. She also answered lots of questions. Then it was time to learn by doing.

Bus schedules and exact change in hand, the youngsters and their leaders headed outside to wait for the bus that would take them to DART headquarters on Monroe Street. Actually, it was two buses. The first went only as far as Rodney Square, so each child got to practice asking for a transfer.

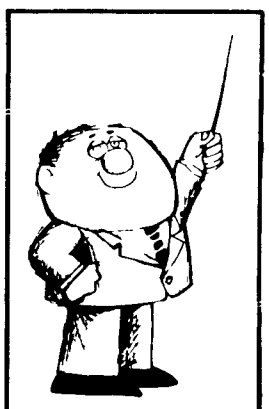
The bus driver graciously showed the children how the vehicle "curbs" for elderly or infirm passengers. The entire front quarter gently rotates toward the ground so passengers don't have to step up so high. They also learned how to work the signal buzzer and self-operrated rear doors.

The children were then given a V.I.P. tour of DART headquarters. They saw where the money goes, and heard the dispatcher make radio contact with a driver who was stuck in traffic and wanted permission to take an alternate route. They saw the lounge where the drivers play MS. PACMAN between trips.

They met the people in charge of checking the tires and rebuilding the engines. They saw the bus-sized car wash, as well as the huge vacuum cleaner that is attached to the door of each bus to suck up stray leaves and candy wrappers at the end of the day. (The driver checks first for umbrellas and handbags.)

The children also met two young men from Wilmington High School who were working for DART part-time. They talked about possible job opportunities when the youngsters were a few year older. "But stay in school," they were warned.

Finally, the visitors were given a free ride back to the West End Neighborhood House. By that time each child was carrying a DART sticker, schedule, city map, and a genuine driver's shoulder patch. They had also gained new skills and confidence that can come only when kids learn by doing.



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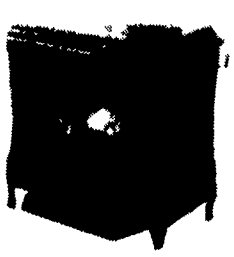

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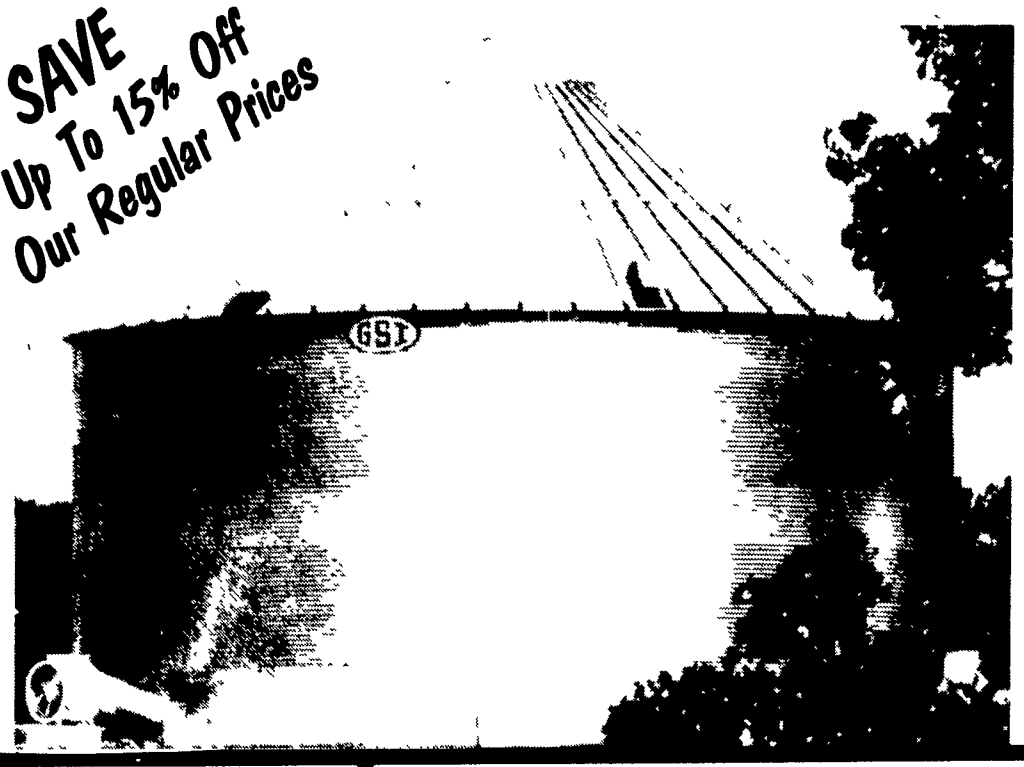

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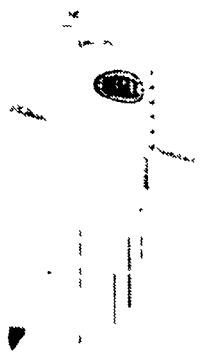

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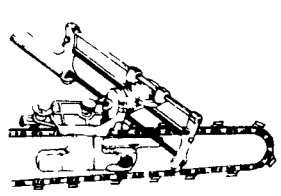

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3 win national conservation awards

WASHINGTON, D.C. — Three farmers from Kentucky, Oregon and Wisconsin have been recognized at a White House ceremony for their accomplishments in a voluntary program dedicated to conserving the nation's natural resources.

The three national winners in the first annual soil and water conservation awards program are Allen Franks, of Guthrie, Ky.; William H. and Joyce Hansell, of Athena, Or.; and Richard Nyman, of Orfordville, Wisc.

The national awards program is sponsored by the National Endowment for Soil and Water Conservation and the Du Pont Company. Representing the sponsors were Emmett Barker, chairman of the Endowment's board of governor's, and Dale Wolf, Du Pont group vice president.

The three winners were selected from 10 state finalists also attending the ceremony. The national awards program included nominations from farmers, ranchers and other land owners in 35 states on their individual efforts to conserve the nation's soil and water resources.

The National Endowment for Soil and Water Conservation, established in June 1982, is a non-profit, privately funded organization which promotes soil and water conservation and involves the public and private sectors, farmers and non-farmers alike.

In announcing the national winners Barker said, "The awards program has been designed to help make both farmers and the general public more conscious of the importance of saving our resources by spotlighting the work of outstanding producers."

Commenting on Du Pont's role in the awards program, Wolf said, "All of us at Du Pont are proud to sponsor the Endowment's awards program and to extend our company's longstanding commitment to conserve America's richest natural resources."

Each finalist was presented with a certificate for their accomplishments and the three national winners also received a $1,000 cash award.

The Maryland 1983 Soil & Water Conservation national finalist is Vernon R. Foster, Mt. Carmel Road, Parkton, Md.

He operates a 152-acre dairy and crop farm with a 100 cow herd.

His innovative conservation techniques in soil and water resource management include conservation tillage; grassed waterways and diversions; crop rotation system; contour strip-cropping; and wildlife preservation.

Foster's honors and affiliations include past chairman, Maryland State Soil Conservation Committee coordinated the Maryland 208 Agriculture Plan; 1980 Highest No-Till and Overall Corn Yield Award by the Maryland Crop Improvement Association; District Supervisor with the Baltimore County Soil Conservation District since 1947 — served as chairman of the board of Supervisors for much of that time.

He has served and held positions of leadership with the Baltimore County Farm Bureau, Gunpowder Farmers Club, Hereford Parent Teachers Association.

U.S. bans meat & poultry imports from 14 countries

WASHINGTON, D.C. — The U.S. Department of Agriculture next month will bar the importation of meat and poultry from 14 countries that have failed to comply with inspection requirements established by the USDA.

The ban will become effective upon written notice in the Federal Register, probably during the first week in January.

The 1981 Agriculture and Food Act requires countries importing meat to the United States to have testing programs that measure and restrict the level of chemical residues in meat shipped to the U.S.

The 14 countries that will be restricted from importing meat are: Dominican Republic, El Salvador, Haiti, Mexico, Nicaragua, Panama, Honduras, Romania, Sweden, Finland, Belguim, Switzerland, Ireland, and France.

John McClung, of the USDA's Food Safety and Inspection Service, said the effected countries were warned six months ago of the ban.

A total of 23 countries were informed by the department that they would lose their certification if their testing programs did not correct inspection deficiencies.

Nine other countries that were warned last July of the ban, have brought their inspection practices into compliance, they are: Argentina, Brazil, Bulgaria, Costa Rica, Czechoslovkia, Guatemala, Iceland, The Netherlands and Uraguay.

"Only five to six percent of the meat consumed in the United States is imported," said McClung. "The ban will have little affect on the domestic meat prices. All tolled the 14 countries banned only account or about one-third of one percent of the meat consumed in the United States."

The ban can be lifted, said McClung, when thier meat inspection procedures are in compliance with U.S. standards.

The USDA has already brought teams from some of the South American countries to the United States to visit our laboratories and learn testing procedures.

"These countries have generally been deficient in testing for pesticide residues, more specifically the organophosphates and the chlorinated hydrocarbons," said McClung.

About 90 percent of the meat that is imported to this country is from nine countries that were already in compliance with inspection standards. Those countries are: Australia, Canada, Denmark, Hungary, Italy, New Zealnad, Poland, West Germany, and Yugoslavia.

Fruit meetings planned

MT. PLEASANT, Del. — The University of Delaware Cooperative Extension Service has scheduled a series of January meetings for individuals with small orchards or fruit plantings such as strawberries and brambles (blackberries and raspberries).

The series is designed for small scale farmers who now raise fruit or are considering adding it to their production plans. However, anyone interested in growing fruit is welcome to attend.

The fruit production sessions will be held from 7 to 9 p.m. in the upstairs meeting room at Townsend's, Inc. in Mt. Pleasant (corner of Mt. Pleasant Road and Route 896) as follows:

Apples - Thursday, Jan. 12.

Peaches - Wednesday, Jan. 18.

Strawberries, Raspberries, Blackberries - Thursday, Jan. 26.

Delaware extension vegetable specialist Ed Kee will be the instructor.

The series will cover site selection, establishment, soil management, thinning, pruning, and disease and insect control for various fruits. Each session will last about two hours. For further information contact New Castle County extension agent Dean Belt at 451-2506.

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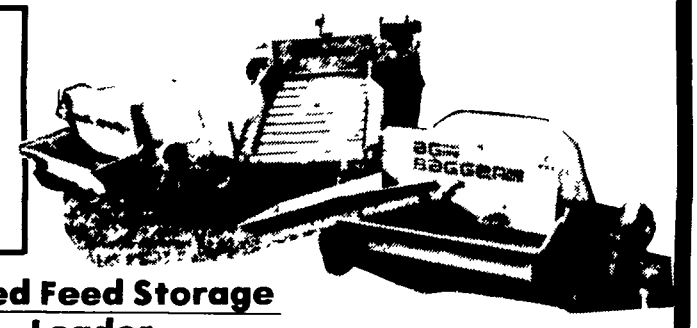

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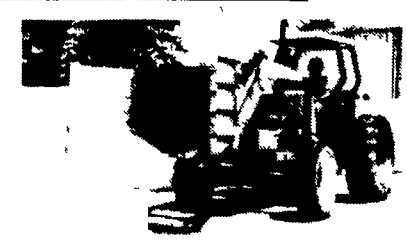

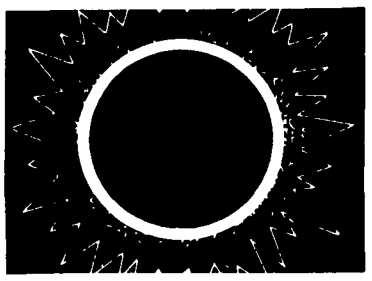

Energy Edicts

By James W. Garthe

Penn State Ext. ag engineer

Engine oil service designations let farmers and other consumers know the quality of an oil at a glance, says James W. Garthe, Penn State Extension agricultural engineer. The American Petroleum Institute (API) tests different oils in actual engines and assigns them ratings depending on their performance.

These motor oil quality ratings are called the API service classifications and should not be confused with the Society of Automotive Engineers (SAE) viscosity ratings.

The API service designations are found either stamped into or printed on the top portions of a motor oil can. There are two series of designations, Garthe adds, the S series, or service series, which pertains to car dealers, garages and service stations and the C series, or commercial series, which pertains to contractors, farmers and fleet operators.

Both the S and the C letters precede a second letter which further indicates quality. The closer this second letter is to the end of the alphabet, the better the oil quality. For example, SF oil is better quality than SA oil and CD oil is better than CA oil.

Just how important is motor quality testing?

Each service and commercial designation has one or more test that oil must pass to receive the rating. In order to receive commercial designation, oil is tested in diesel and gasoline engines; service designation requires testing in only gasolilne engines that are specially designated for these tests.

The diesel test engines have displacements of 134 and 208 cubic inches and are operated for 480 hours at different speeds. During the testing, the oil must pass certain requirements; it must keep engine components below a certain temperature.

Nine gasoline test engines and over 15 tests are used to rate the six service classifications. Engine displacements range from 42.5 to 425 cubic inches and are operated at speeds ranging from 1,500 to 3,600 revolutions per minute. Tests last from 50 to 192 hours. Only after the oils have undergone these rigorous testing procedures can they be certified with the API service classification rating.

Engine oil is expected to do more that just lubricate engine parts. It should provide a seal between the pistons and cylinder walls, dissipate heat and prevent rust, corrosion, sludge and varnish.

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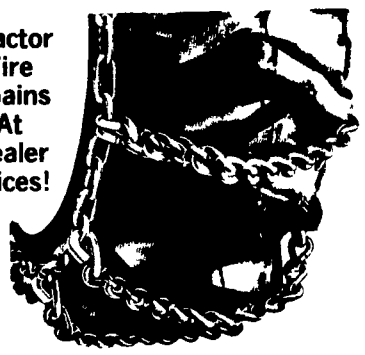

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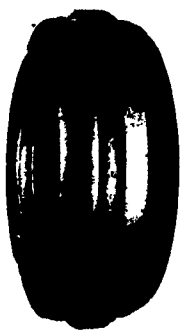

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16.9x30, 6 ply	$224.00
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For Sale 4 bedroom brick rancher, family room, garage, etc nice location & cond Richland-Leb Co 717-933-8358 or 215 589-2181

For Sale Model "77" NH baler w/VE4 Wisc motor w/starter in A-1 working cond $400 Montour Co 717 275-2529

For Sale IH model 642 2 way plow, 4x16 Cot III, new left hand steel $1500 Schuylkill Co 717 889-3197

For Sale 4000 Ft Rock oak 1" to 1¼" Also Cherry & Popular, 717 776 3239 after 5 p m

For Sale 1952 Ford 8N Tractor overhauled 717 733-4988 after 6 p m Lanc Co

Wanted - Farm family to occupy tenant house Opportunity to work off rent on Frederick County, dairy and horse farm 301-898-7788

For Sale 1976 Wayne 5 yard pick up trash compactor Ideal for country route Complete unit $2,000,00 Montour Co , 717 275 0208

For Sale 1974 Ford E-300 Heavy Duty Super Van, Extra Springs, 9000 lbs Great Van for Work, Lanc Co , 717-872-5263

For Sale Monarch & Prizer "100" Cookstoves, white enamel w/water resevoirs Both very good condition $395 ea Shaefferstown 717 949-2195

For Sale Broken Heavy Draft Mares all ages well broke, Clarke County Box 282, Berryville, Pa 22611 1-703-955-3868

For Sale (1) High Hot-water radiator's with fitting's $35 00 - each or all for $350 00 Need paint Sch Co , 717-345-8878

For Sale Torn down wooden silo 8'x30' contact Jacob R Stoltz fus 548 Kutztown Rd , Myerstown, Pa 17067

For Sale - Oliver 77 on Steel w/belt pulley $500 or best offer Also used oak lumber 8 pc 8"x10"x14', Lanc Co , 717-859-3456

For Sale - MF 110 Manure spreader excellent condition $750 York Co , 717-229-2522

For Sale - NH 276 Baler w/thrower $3600 18' Pipe Bale Wagon w/8 ton running gear $1275 00 Cumb Co , 717-776-7888

For Sale JD 45 Combine w/cab 12' platform, 235 corn head 2200 hours excellent condition $5500 215-754-7188 Montgomery Co

Wanted - Late model wide front-end for IH 756 Schuylkill Co , (717) 277 0239

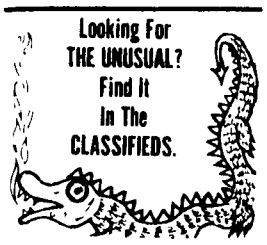
For Sale Firewood, 60 00 cord seasoned 1 yr wanted hired hand farm handyman work live on farm Auburn, Pa 717 754-4661

For Sale - 10' Van Dale silo unloader in real good shape, Glenwood wood burner w/large water jacket and insulated panels 215-267-2251

For Sale Size 10 boys skates, Wanted size 11 or 12 Eli Ebersol - Goshon Mill Rd , Peach Bottom R2, Pa 17563

For Sale - Registered Service Age Superior Bull Dam on Apollo with 22 000M 900F 55/lb Lanc Co , 717-665-4239

For Sale - 4 yr old Standardbred 16 H just off track $800 717-354-7686



MAILBOX MARKET

For Sale NH 880 2 row wide forage harvester head, fits 880-890-892, exc Montour Co 717-649-5320

For Sale - Chevy 74 T-Tag dump lowboy trailer, Int 2400A 3-pt loader $11,000 firm Dauphin Co 717-362-8795 after 5 p m

For Sale 2 hole butcher furnace $75 NH Super 66 Baler $350 A Grant Weber, 716 Madison St , Mohnton, Pa 19540

For Sale - Piano rolls w/cabinet $1 ea Snyder Co 717-374-4246 after 4 p m

For Sale Diesel station wagon $3500 '67 Int hay grain truck $3500 Clay barn cleaner, chain used very little 301 658-5023

For Sale Standardbred carriage horse, anybody can drive, safe & sound, good road horse, all trot Lanc Co 717 -354-0159

For Sale Grass Alfalfa & Timothy hay, no rain Adams Co 717 334 8435

For Sale Chinchilla pens & equipment Pens $40, cheaper the more you buy Pequea Pa 717 284 2127

For Sale 2 Bostrom suspension seats. Viking T-bar, new foam & black vinyl covers $100 ea Hunterdon 609-397 2569

Wanted - Pail type milking units, any brand, preferably DeLaval Lanc Co 215-445-4978

For Sale - 1440 JD no-till corn planter w/insecticide & monitor $2000/best offer, Int transport dish 14' York Co 717 292 4154

For Sale 600 gal round Mueller bulk tank, exc cond Leb Co 717 273 8355

For Sale Truck insert sleeps 3, table $100/best offer Bundy clarinet & case $65/best offer Chester Co 215-383-0716.

For Sale - 1970 Scout 800 A, 304 V8 auto 2 sets tires mtd 7' Myers Powerangle snowplow Cumberland Co 717 776 5783

For Sale - Dapple gray gelding horse & tack, asking $250 Small poney, black gelding, asking $35 717-432-2707

For Sale - Like new 3½ KW stand-by generator for lawn & garden tractors, quick attach list $640 for $320 215-445-5309

Wanted Electronic dog training collar, any cond Bucks Co 215-847 2276

For Sale - Wood thickness planer 18" heavy duty Flemington, NJ 201-782-3391

For Sale John Bean potato sprayer, no-till corn planter, Donald P Bachman Sr Box 156, Copeechan Rd, Schnecksville, Pa 18078

For Sale 7000 JD Max-Emerge corn planter, 4 row, exc cond Dahlman air potato clod separator, Clarion Co 814-744-8454

For Sale - 6½' truck cap, 30" high for 1972 Dodge $75 ARPS 3-pt hitch ground scoop $50 Berks Co 215-488-1400

For Sale Brown Swiss & heifer calf reg & tested for 4-H, F F A project Bred holstein cow & heifer calf 215-791-0186

For Sale - 3 Pt 7' sliding blades, V-type & angle snow plows, Large Bucket A-Day stove, 12' Dunham Cultimulcher 717 345-4882

For Sale Standardbred horse traffic safe for anybody to drive David S King Bird-in-Hand along Montery Road, Northeast Bird-in-Hand

For Sale - 5 ton flatbed, 1954 Ford truck, 54,000 miles Schuylkill Co , 717-467-2482 after 5 p m

MAILBOX MARKET

For Sale Hot water Keystoker furnace used 9 yrs 120,000 BTU, needs sheet metal work on jacket $75 Juniata Co 717-463 2360

For Sale - Dewalt radial arm saw, large Champion drill press w/ratchet feed Moses Renno, RD 2, Box 305, Mifflintown, Pa 17059

For Sale JD 440 loader, 420 & 440 crawler parts, 58" saw blade replacable teeth Perry Co 717-582 4217

For Sale - Jack Russell Terrier puppies, 11 wks old, 1 male, 1 female Exc pets or working dogs Somerset Co 814 754 8279

For Sale Hobart meat saw, single Physe, perfect cond $650 firm Dor chester Co 301-228-2214

For Sale - Seasoned firewood, good burning, large quantity prices for stocking up now, beat bad weather shortages/prices Lanc /York Co 717-755 5587, 717-252-4106

For Sale Pick 3 sows out of 19 for $1000 Aaron E Lapp, R#1, Box 429, New Holland, Pa 17557

For Sale Large Mc Cormick Deering cream separator, Ben Franklin stove, cow to be fresh in 1 month, Holstein & Jersey mixed 717-834-3783

For Sale - IH 56 2 row cornplanter, runner opener, fiberglass hopper Northumberland Co 717 672-2195

Wanted - New or used plow share for horse plow (Moore 22P & 52P) number on share Harold J Hiester, Bernville, Pa 215 488-1444

Wanted To buy local oats For Sale - 2 6-ply tractor tires 16 9x24 215-326-0156

For Sale - New Smucker liquid manure spreader Wanted - 7x9 & 12' overhead doors E P Esh, Esbenshade Rd Ronks, Pa 17572

Wanted Used 16" belting material for 20' elevator Minumum 10' lengths, servicable cond Northampton Co 215-837-9405

For Sale About 55 ton good clean ear corn & 4000 bu shelled corn Centre Co 814-364-9926 after 6 p m

For Sale - 4 matching cane seated chairs, good cane, nice chairs Daniel M Hoover, RD #1, Box 284, Denver, Pa 17517

For Sale - 30 HP Fulton boiler, JD 3020 tractor exc power shift, gas Dauphin Co 717-692 2422

For Sale - Nubian & Alpine Does, young & old, Nubian buck, good lines, reasonable prices, Guernsey heifer Berks Co 215-689-9895

For Sale JD model "400" grinder mixer in good cond , asking $1150 can deliver Lanc Co 717-786-1119

For Sale - 240 Farmall w/cultivators- tobacco hoers, 475 IH disc 12' transport Lanc Co 717 656-2824

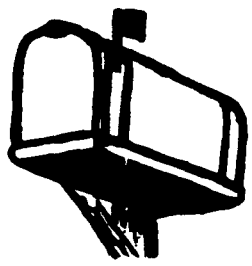
For Sale - 6 HP roto-tiller, exc cond , very reasonable Lanc Co 717-665-4626

Wanted Amish buggy, state price & cond John R Esh, R#1, Box 539, Pennsy Rd New Providence, Pa 17560

For Sale - Warm Morning wood stove, 3-yr -old reg Morgan gelding, broke Samuel K Stoltzfoos, Beaver Dam Rd Honey Brook, Pa 19344

For Sale Young home grown dressed guineas & quail, Dauphin Co 717-944-1007

For Sale - 327 NH manure spreader, 130 BU PTO 3 beater $975, buckets for small rounder skid loader $85 ea 717-422-8437



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Include your Lancaster Farming mailing label and mail to

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P O Box 366
Lititz PA 17543

No Phone Calls Please

MAILBOX MARKET

For Sale Slaughter house, Central Pa 814-448-3530

For Sale - 50 ton mixed hay, straw, old ear corn, large electric drill press, Wisc VE4 motor 717-345-8815

For Sale - Weathered barn boards 12" wide, different lengths, best offer Lanc Co 717 733-0058

For Sale - JD no-till 1480 Soybean planter w/eight 71 flex units, for 20" rows complete, exc cond 301 957-1125, 301-632 2752, 301-632-2654

For Sale 11 polled Dorset sheep bred Jan - April, very good cond $50 ea , will del Cumberland Co NJ 609-451 3127

For Sale 2 hole Mount ville corn sheller, hand crank or endless pulley driven Lanc Co 717 367-4567 after 6 p m

For Sale - 1980 Chev diesel pick-up, new motor, factory warranty, Ziebart Lanc Co 215-267 3808

For Sale 1975 Arctic Cat Cheetah, rotary, $795 1973 Speedway 340, $650 1976 Topline, fully enclosed double trailer $795 717-764-8301

Wanted - Pair of used tractor chains, size 18 4 30 For Sale - 8' truck camper, stove, heater, ice box, sink Leb Co 717 865-5022

For Sale - '73 Dodge club cab pick-up truck, 2 Mustang wheels, ladies size 12 leather jacket, new Berks Co 717 933-8063

For Sale - Ultra Violet water purifier, model 500SF, large TV antenna Henry K Beiler, 416 Strasburg Pk Lanc Co 17602

Wanted - Plastic mulch layer 3 PH Del. Co 215-586-7620 eves.

For Sale - 200 bales mixed hay, no rain $1.50/bale Hay wagon for kick bales $300 Lanc Co 215-267-2706.

Wanted - Parts for NH gas engine, write Randy Eisensmith, RD#1, Mt Wolf, Pa 17347

For Sale - 2 - 1-Horse sleighs, 1 a 2 seater Lanc Co 717-626-5034 between 8-12 a m

For Sale - 71 Int. dump truck, air brakes, V8, new rear tires, 30,000 G V.W Lehigh Co. 215-965-9719.

MAILBOX MARKET

Wanted Milo grain sorghum For Sale hard hat (pot) heater, like new $35 00 York Co 717 292-6361

For Sale 1966 Scout with Myers lift and extra high snow plow 4WD, 4 Cyl $1195 Lanc Co , 717 872 5263

For Sale Reg Polled Hereford Trustee calves Several open heifers and one bull left Wayne Co , 717 689 2158

For Sale Good corn silage 717 665 4743, Lanc Co

For Sale 1957 Chevy Flatbed truck 21,000 G V W New bed and paint Excellent cond , $1000 00, Dauphin Co , 717 533-6770

For Sale Large tobacco shed Metal roof Open for bids also gutter grates for cows & stalls Lanc Co , 215-445 6453

Wanted - Mold for making 8" cinder block For Sale - 2 13 6x28 Goodyear tires 90% tread $150/best offer Dauphin Co 717-566-8689

For Sale - Holstein & Holstein Brown Swiss cows, 4 due Daniel M Stauffer, R1, Box 267, Port Trevorton, Pa 17864

For Sale JD model 30 combine PTO driven, auger feed w/bin in good cond $700 Middlesex Co NJ 201-356-0402

Notice - To person who bought the South Bend 10" lath at Weavers sale in Shippensburg, I am interested Paul, 215-756-6626

MAILBOX MARKET

Wanted - Flat Bed Dump Truck Ford or Chev , 1 or 1½ ton, Call after 6 p m Frederick Co , Md 301 845-2234

Wanted 70's model 70-80hp tractor must be dependable in very good cond 11' trans disk and chisel plow Wash Co , 301-791-6135

For Sale - Red and white holstein bull 10½ mo old Lancaster Co , Jacob S Fisher Box 26 Bart, Pa 17503

For Sale Big Estate Heatrola In good condition Mahlon B Stauffer RD#1 Trout Run Rd Ephrata Pa 17522 Lanc Co

For Sale AC WD Tractor, good condition, good tire, w/plows and corn workers Irons for swow blades Perry Co , 717 789 3422

Notice Complete Farm Record Books for Dairy, Poultry, Livestock and Crop Farmers $3 95 717 464-2528, Lanc Co

For Sale - Lawnfence posts 1 5/8"x5' ($3 99 value) $1 00 each White brunning paint $8 30 per gal Ephrata R3, Pa 215-445-6885

For Sale - Schwartz model 760 TMR mixer, very good condition reasonable price 717-426-3314 Marietta, Pa

For Sale - Clover and Timothy hay No rain, also colby manure spreader with pan Columbia Co , 717-437-2698

For Sale - White #6342 mold-board, 3 bottom roll-over plow Like new, used approx 200 acres $3900 00 Centre Co , 814-349-8201

MAILBOX MARKET

For Sale - Small mule, approx 50" has coon hunted $375 Part Pygmy buck goat $40 Lanc Co 717-464-4164

For Sale 10" Papec hammer mill $100, Nigara potato duster $200, Ellis Keystone fodder shreader, JD 1 row transplanter 215 987-6894 after 6 p m

For Sale - 1 Ayrshire cow 4 yrs old, sired by Masonic Homes MA Fred, due Jan 6 717 367-2736 after 5 p m

For Sale 1973 12x65 mobile home, 2 bdrm 1½ baths includes stove, must be moved, nice, Dauphin Co 717 365 3302

For Sale DeLaval sterling head, runs milkers when power fails, hay wagon 16' 6 ton running gear $550 Hagerstown, MD 301-582-2845

Notice - To be sold Jan 3, 1984, JD A w/cult , etc , At Wherleys' Auction, Southern York Co 717-235-2346

For Sale - Hit & Miss JD 1½ HP model E has truck under mint cond York Co 717-235-1985

For Sale - 2 row front & rear cultivators mtd w/cylinders for IH tractor, good cond $100 Lycoming Co 717-546-2846

For Sale - Mixed hay & Timothy no rain, bright straw, est 100 tons in all Adams Co. 717-259-9447

For Sale - NI 12A manure spreader $185, NI 750 hay crimper $275 NH 455 trailor mower $795 platform scales 717-354-0266

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1969 D 1000 Dodge truck, 250 Cummins, recent overhaul, 10 speed Road Ranger, tandem axle, air condition and PS; 717-949-3074.

TRUCKS & TRAILERS

GMC Crewcab, dually rebuilt, excellent, with 35' Kingston four horse show trailer, 5' dressing room, canopy tape deck, $12,000 or offer. Mrs. W. Gerken, Hopewell NJ, 609-466-3426.

For Sale - 1982 Chevy diesel pick-up, 4 speed, OD 10,000 miles, $7,600; 1979 Chev. Pick-up, SH cyl. automatic, $3,800, Lebanon County, Phone 717-273-6018 after 5 PM.

NEED CASH? We buy unwanted trucks and parts, scrap aluminum of any kind. Wrecked dumps, vans, flats, tank trailers, etc. Call 717-273-7474 (day), 215-944-9871 (evenings).

1977 F-600 cattle truck, 3 yrs. old, aluminum body New rubber 201-475-3172.

For Sale - 1965 Ford F-600, 8x13 foot diamond plate flatbed with sides, 98% rubber, V-8, 4-speed, 3,000 miles since major overhaul, road ready $2,700.00. 215-489-0622 between 7 & 10 p.m.

RTOF9513 transmission, Hendrickson suspension, 34,000 lb. Rockwell rears, 4.11 ration. Also parts for 270 Cummins. 717-425-3697.

For Sale - 1971 Int. dump truck, air brakes, V8, new rear tires, very good cond. 215-965-9719.

2% ton, 6x6 Reo Army truck, steel cab, new tires, excellent condition, cargo body, $2,500. Warren County, NJ. After 7 PM. 201-362-9521.

Trailers for sale - 45x13'6" Brown, smooth sides, slider on 20. 40x12'6" Fruehauf, 20" tires, 45x12' Wilson livestock 20" tires. 40 Gindy open top, slider on 20. 40' Brown flat, slider on 22. Hydraulic cylinder for 24' dump. Propane cargo heaters. Storage trailers for sale or rent. Keens, 717-626-5420.

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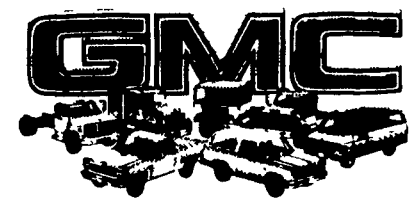

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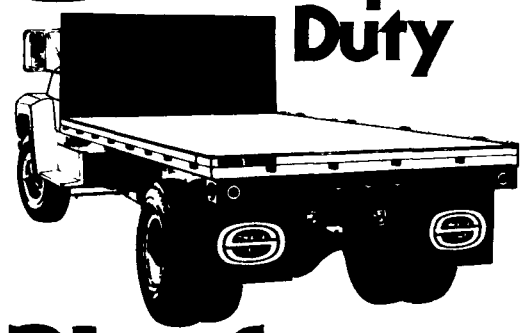

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For Sale - 9' & 10' wooden livestock bodies. 20' Morgan van body. M.H. Eby, Inc. Blue Ball 717-354-4971.

Energy hydraulic truck hoist sales and service. Anderson's Repair Shop 717-244-2039.

1975 Ford ¾ ton pick up, with metal cattle racks, $2500, 717-626-6805.

70 GMC truck w/power lift gate, 12' Diamond plate body, new V6 305 motor, holds 8 ton. 201-637-4096.

1975 Ford F350, 4 speed, power steering, new tires, 360 V8 rebuilt engine, 9' stake body, 10,000 GVW, $2,600 Lancaster County, 717-859-3161.

1968 GMC V6401 5+4 trans. Runs good, can be fixed up or used for parts. 1964 Chevy tandem. Detroit diesel Long chasis 5+4 trans. Make a good grain truck. Needs some work. Runs good. Harford Co. 301-836-8905.

For Sale - New Dump Beds, all sizes, steel or aluminum, PTO flaps, lights, cab protection, paint, mounting, example steel 1-ton 10' $2500, 12' $2800. 814-623-9696.

8x18 Featherlite aluminum gooseneck trailer, 81 model, good, $4800, priced to sell 216-682-3151.

1974 IH CAB OVER
4070A, 13 SPEED
TRANSMISSION, 318
DETROIT DIESEL, PS,
SLIDING 5th WHEEL,
GOOD RADIAL TIRES
215-286-9510

For Sale
64 Chevy 21,000
GVW, 43,000 miles
70 Chevy 17,000
GVW, 19,685 miles
no rust
717-225-3616

1981 GMC 3500 Series, cab and chassis, 350 V8, 4 speed, ps, pb, AM-FM, stock #6199A, $7,387

1977 GMC tractor, 427 V8, 5 speed, 2 speed rear, ps, pb, 21,000 GVW, stock #5631F, $3,281

1976 Ford F600, cab and chassis, V8, 4 speed, ps, pb, 20,200 GVW, stock #6061A, $1,840

1976 Chevy, C50, 14' van body, 327 V8, 4 speed, 2 speed rear 19,500 GVW, stock #7107A, $1,980

1963 Ford C600, 10' Omaha grain body with hoist, 6 cylinder 5 speed, 14,000 original miles, stock #6206A, $4,057

NEW HOLLAND FORD
508 W. Main St.
New Holland, PA 17557
717-354-4901

REAL ESTATE

Wanted - Farm with limestone soils between state college and Bedford, Phone 215-383-5494.

Secluded 126A Juniata County cattle or small dairy farm, large barn, three silos, two spring developments, stone and log house. ¾ mile creek frontage, partial financing, price negotiable, owner will stay on as caretaker or will lease back, 717-734-3705.

Shenandoah County - Two adjoining farms with two 20x60 harvestores. Will sell all or part. 703-459-3682.

Wanted - Dairy farm to rent for Spring 1984. 717-653-4420.

REAL ESTATE

St. Petersburg Florida house for winter season or by year. Completely furnished 2 bedroom, w/w carpeting, central heat, fruit trees. 215-754-7316.

100 acre Southern NY farm, refurbished house, w/w carpeting, electric heat, wood stove, bank barn, machine shed, out buildings. Picture postcard setting. Valley inside a mountain. $69,000. 215-754-7316.

Farm for sale - located on Rts. 522, Decatur Twp., Mifflin Co., approx. 91 acres, 75 tillable, two 2 story frame houses, bank barn, ideal for Christmas tree plantation, orchard or farming. Priced to sell. 717-374-9125 evenings.

199 acre farm on Marion Road. Old stone house remodeled, large bank barn, Lancaster silo and other outbuildings, Robert F. Crider, 717-264-8258.

FARM FOR SALE - 91 acre dairy farm, RD#2 Annville, Lebanon County Penna. 31 stalls, milk house, implement storage bldgs, long macadam lane, nice 2½ story vinyl sided farm house, 60 acres tillable, 22 acres fenced, pond, a real showplace for $230,000. Call Realtor-Auctioneer Nelson Ebersole, 717-867-5221 SUBURBAN REALTY, 717-273-9358, 30 West Main St., Annville, Pa. 17003.

Farm for rent - 70 A northern Lancaster Co., $625 per month. Call 717-733-3980.

GROW X-MAS TREES
Ideal 125 acre farm, 6 miles south of Carlisle, owner financing, low down payment, balance 9%, 717-677-6753.

Farm for rent - approximately 500 acres, all tillable or pasture ground, situated on 2 farms with main farm equipped with 12 cow milking parlor fully equipped, plenty of buildings, barns and or for storage, 2 houses located near Hagerstown MD, 301-733-1856 between 10 and 8.

98 acres of level land, large bank barn, 2 houses, $120,000. 717-392-1177.

Want to rent: With a possible option to buy 50+ or - acre general farm, Carlisle, PA area. 814-698-2400.

For Sale - 188 acre hog or beef farm, some of the best level land in NY state, 40,000' tile, 5 miles from Geneva, Central Finger Lakes, new class 4 house new 54x72 Morton Building, new 20x40 hi-moisture silo, dryer, 30,000 bushel grain storage, 2 set buildings, trailer, trailer site, one barn 166x36 basement, there's more, $650,000-terms. 315-585-6394.

REAL ESTATE

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

96 Acre Dairy Farm, Oxford area, good house, bank barn, equipment shed, $250,000. Hayes Oxford 215-932-3092 - evenings call Jack 717-354-9534.

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

Farmette, 12.66 shares, for sale by owner. 717-259-9983.

Log cabin located in the mountains of Central Pennsylvania, excellent hunting and fishing available, located 3 miles northwest of Belleville, off Rt. 305 near Greenwood State Park. Two parcels of land included. One tract being of the dimensions of 75' x 101'. The other being 300' x 124'. Water available on property. Bids being accepted immediately. Mail bids and inquiry to Archie D. Stuck, 127 E. Main St., Belleville, PA 17004. Bids must be postmarked no later than Aug. 8, 1983. The owner reserves the right to reject any or all bids.

FRANKLIN COUNTY - dairy and general farms, Kuhns Real Estate, Inc., 717-597-8300. Roger Wildeson R.E.S., 717-263-5702.

Farm for rent - 40 acres, modern house, barn and work houses, Lancaster Co., 6 miles from Ephrata, 215-562-4820.

Farm for sale by owner - 140 tillable acres, 40 acres wooded, good flat Klinesville soil, lots of frontage on hard road, Columbia Co., write to Lancaster Farming, PO Box 366-D94, Lititz, PA 17543.

"FLAWLESS"
In every appointment..superb workmanship, material and design...brick tri-level...4 to 5 bedrooms, fireplaced living and family rooms, 3 finished baths with one waiting for the finishing touches, elegant dining room, cherry cabinets in sunny eat-in kitchen, 2 car garage. All situated on 14 private acres. $139,000. C-9 Broker Co-operation Invited. 607-962-2401.

For Sale - 4 acre farmette in Franklin Co. brick rancher, 3 bedroom, 1½ baths, fireplace, full basement, large patio. Block barn with workshop. $70,000. 717-328-3836.

Wanted - Small slaughter house for dogfood company. Contact Wayne Taylor at 215-692-6476.

REAL ESTATE

13½ acre farm in South Lebanon County with Nebraska hog finishing unit for 640 hogs. 3 bedroom house, small barn, pond and stream and fruit trees. Good monthly income. 717-949-3851.

NEW YORK STATE: Yates County. Attention Horse Lovers! Do you need an in door lighted arena, 60x120, with ¼ acre pond, 12.9 acres, paddocks and corrals, a 3 bedroom home? We have it. The horse barn is equipped with 12 oak stalls and a wash stall. Plenty of good fresh water. Raise thoroughbreds, hunters, quarter horses. More land available. Call on 100A Century 21 Four Seasons, Penn Yan, 315-536-7456.

Desperately needed by spring, dairy barn and home to rent, prefer North PA, 35 to 60 cow barn, 50 or more acres, Bucks Co., 215-795-2281.

Wanted to rent - Dairy farm buildings for 30-50 cows, in Lancaster County 717-768-3924.

Wanted to rent - Modern, well maintained dairy facility, tie stalls preferred, room for 35-40 milkers and young stock, pasture a must, land not necessary, feed at or nearby available, house required. 716-624-1693.

64 acre farm, delightfully set with 2 ponds and a 2 story farm house in good condition. Country Kitchen, all appliances included, large bank barn with 15 stalls and other additional farm buildings complete the property. Soil ready for farming. A most desirable location and an excellent value. $230,000. (ML 44166) Call Heritage Real Estate 215-398-3112.

For Sale 114 acre dairy farm in Nittany Valley. Ready to go. Room for expansion. Buildings in very good condition, Write to Lancaster Farming, P.O. Box 366-D-99, Lititz, PA 17543.

BEEF/HORSE FARM
113-acres in southern Chester County, near Oxford. Stucco over stone farmhouse, bank barn w/stanchion & loafing area, small stream from springs & unspoiled views. $340,000. Call CENTURY 21 Pierce & Bair, Inc, (215)444-5536.

For Sale - Productive Tioga County dairy farm, 193 acres, 2 barns, 3 silos, large house. 717-724-2174.

For Sale by owner - 157 acre dairy farm. Limestone soil. Montour County. Free stall cow and heifer barns, large house with 2 adjoining apartments. Phone after 7 PM. 717-437-2888.

Wanted to rent - small dairy facilities for 30 cows or less. House, barn, 5 acres approx. needs to be nice, easy access, Cumberland or Franklin Counties, 717-369-2692.

REAL ESTATE

CATALOG OF FARMS
Free Catalog #56
List 100's of Dairies, Farms, Businesses and Recreational Property
FREE - Call or Write Today!
AMERICAN FARM DIGEST
3546 WATSON RD
ST. LOUIS, MO. 63139
1-800-325-9943

BERKS CO. POULTRY FARM
60 acres, 35,000 capacity layer house, farm house, bank barn, 2 approved mobile home hookups, room to expand in quiet rural setting of dairy farms.
215-562-7776

LEBANON COUNTY
FARM FOR SALE
95 ACRE DAIRY
Parlor, silo, 10 room house, beautiful kitchen
Call or Write
H. John Martin,
RD 2,
Annville, PA 17003
717-865-3281

WANTED
Farm in Honeybrook Elverson Area

NORTHUMBERLAND CO.
Dornsife, Pa
Nice 3 bedroom house dishwasher, electric range more than 14,000 sq ft chicken house 1st floor concrete ideal for pigs or steers elevator heating system in part frame bank barn work shop with daylight basement, 2 car garage on 2 acres East of Dornsife Rt 225

S. LYCOMING CO.
213 ac dairy farm 130 ac tillable, 62 stanchions, space for 65 more, 133 freestalls, liquid manure pit, 3 lg silos, 4 wagon sheds, stock and eq can be bought Will sell owner financing

MANHEIM
Lancaster Co.
60 ac general farm, 8 ac pasture w/stream stripping room & cellar

NITTANY VALLEY AMISH AREA
112 acres general farm limestone 60 acres farmed more can be farmed 28 acres pasture owner financing $165 000

Donald R. Witwer,
Broker
Ephrata, PA
717-738-1458

REAL ESTATE

221 ACRE FARM
2" stainless steel pipeline, tank, 3 silos, overlooking Seneca Lake.
Price greatly reduced for a quick sale.
Owner financing.
607-243-8669

FOR RENT
290 Acres M/L
Limestoen Soil
Near Carlisle, PA
717-249-2300
Grain Storage & Drying Available

SHEETZ REAL ESTATE
RAY N. WILEY INC.
323 W. Main St.
Mount Joy, PA
CALL 653-1481
FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

FOR SALE
25 acre farmette, stone and log 2 story home, built in 1838 Currently a 2 unit 40'x97' barn suitable for about 125 steers Warwick School District
HOP USNER & ASSOCIATES
717-738-2005

Sanford G. Leaman
Realtor/Auctioneer
101 White Oak Drive
Lancaster, Pa 17601
717-569-4264
There will be an important announcement in next weeks Lancaster Farming

WIMPLE REALTORS
STATEWIDE FARMS

COBLESKILL AREA

JERSEY FARM: 190 acres, mostly open and good honeoye soils Pretty setting just off major highway Barn has 38 stalls, cleaner, 14x40 cement silo, new bulk tank, new machine shed 2 family home, new oil/wood furnace INCLUDES 34 Jersey milkers, tractors and all machinery for $175,000 Seller would lease back farm from new owner CALL WIMPLE'S SLOANSVILLE OFFICE 518-875 6355

CENTRAL NEW YORK

SHOW ROOM QUALITY MACHINERY. On this 200+ acre farm near Cooperstown farm has 150 acres tillable alfalfa land Large fields Barn milks 46 on 2" pipeline, has Patz cleaner to spreader room, 2 silos, mow elevator Nice colonial home w/apartment INCLUDES 34 Holstein milkers, 18 Y S , 3 tractors, all machinery (most under 3 years old) and feed inventory $250,000 with unbelievable owner terms CALL WIMPLE'S SLOANSVILLE OFFICE 518-875 6355

ST. LAWRENCE VALLEY

$116.00 PER ACRE INCLUDING BUILDINGS. 325 acres mostly open, long road frontage Barn milks 45 cows, modular home plus old 2 story home, naturally needs work but only $38,000 with $3,800 down Call Quick! JUST LISTED! CALL WIMPLE'S GOUVERNEUR OFFICE 315-287 4163

FARM FOR SALE OR RENT
Excellent dairy facility or would be nice for professional person. 2 miles from Carlisle For details reply Box 382, The Evening Sentinel, P.O Box 130, Carlisle, Pa 17013

FARM AVAILABLE NOW

120 acres, 20 mile from Carlisle, nice level fields, several ponds and stream for irrigating, large bank barn and house with all improvements, large mobile home on property, owner will offer financing. Call 717-249-1165 after 5 PM

new pennsylvania realty, inc.
Rt 1, Box 123, New Ringgold, PA 17960
717-386-5000 215-398-2559

36 ACRE FARM
Approximately 25 acres tillable, with large fields, balance wooded and pasture, 7 bedroom farmhouse, excellent bank barn, 4 bay garage, stream Owner financing available. 25 minutes northwest of Allentown, $84,900.

All our farm agents own and operate their own farms
GARY COLES - FARM & LAND BROKER

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NEW YORK STATE DAIRY FARM

350 acre picture book setting dairy farm Barn has 66 stanchions on pipeline, 28 heifer and dry cow stalls, room for over 100 head. Brand new 1000 gallon tank, 3 unloading silos, large machinery shed, beautiful ranch house and very nice second home A one of a kind dairy farm $250,000. Shown by appointment

MEL MANASSE
Licensed Real Estate Broker
Whitney Point, NY
607-692-4540

PENNA FARMS
CUMBERLAND CO.

Dairy Show Place - 156 acres Hagerstown limestone soil, 44 tie stall barn w/pipeline milker, Patz stable cleaners, 1000 gal bulk tank 16x50 sealed silo w/bottom unloader, 44 free stall barn w/64' feeder, 20x60 silo implement storage beautiful stone and frame dwelling, 20x40 inground pool a dairy family's dream farm plus 12x60 mobile home for hired help

176 Acre Dairy 100 crop acres 40 tie stalls, manure pit, 2 silos, implement storage modern 4 bdr brick dwelling

19 Acre Farmette, bank barn 2 story frame (alum siding) 4 bdr dwelling fully insulated oil hot water heat stream

FRANKLIN CO.

160 Acre Hog farrow to finish lagoon 95 tillable acres farm pond road frontage 4 bd brick dwelling

Charles Wenger, GRI, 263-0945
George Ebener 249-4979
Wilbert Diehl 258-3231
GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

OPERATING DAIRY GENERAL FARMS OR FARMETTES

Small vegetable farm possibility, stream, spring, 21 acres ½ open land, remaining woods, large 2 story, 2½ bath, 2 stairs, wood w/oil HW back-up heat, well insulated home, older barn, needs work, quiet setting, short drive to turnpike & 222 By-Pass. Lanc.-Berks area. New Listing.

Buck area, 79 ac., no buildings, motivated seller.

Short drive out of Lancaster Co. (west of Buck), 135 ac. high corn yielding soil, large stone home w/character.

140 ac. abundant spring, gravity fed to bldgs., fine 2 story, 2 bath home, pleasant setting, Mennonite School & Churches nearby. McAllisterville area, Juniata Co.

Lancaster Co. operating modern dairy farm. Clean and ready to move on. Over 90 ac. good producing ground. Nice dairy set-up w/46 Stanchions and Box Stalls, 850 gal. tank, pipe line, Heifer Barn. Lot of road frontage. Modernized Stone Home. A must to get details on this one!.

FOR THE HARD WORKING FARM FAMILY

West of Lancaster, beef, hog, veal and tobacco sheds, make this a very special general farm. Colonial 1880 brick exceptional home. Be sure to call for information.

Small starter dairy w/76 stalls, pipeline, 3 silos, operating, southern Tioga Co.

189 wooded ac. along Penns creek, $84,900.

KINGSWAY REALTY
REALTORS
1770 Oregon Pike
Lancaster
Phone: 717-569-8701
or Ephrata 717 733-3344
REALTOR

HORNING FARM AGENCY, INC.
Main St., Morgantown, Pa.
215-286-5183
Titus Snader, Agent
717-437-2714

MONTOUR CO.
35 Acres of FARMLAND. Near Washingtonville, Pa. 123 Acre Modern Dairy Farm. 53 Stalls. Danville, Pa.

COLUMBIA CO.
270 Acres. 2 Houses & Farm Buildings. Good productive land near Bloomsburg, Pa.

90 Acres. Land & Buildings. Catawissa, Pa.

NORTHUMBERLAND CO.
130 acres 1 mile east of Milton, ½ mile west of I-80. Very productive, water for irrigation of vegetables, etc

BRADFORD CO.
520 Acres. 350 Tillable. Large Dairy set-up with 84 Tie Stalls.

For more information and for additional listings call Titus Snader, Agent @ 717-437-2714.

GETTYSBURG AREA FARMS

CHRISTMAS TREE FARM - Over 40,000 Christmas trees maturing for an abundant crop, the most scenic location around Gettysburg. Lots of development potential, lots of firewood which can now be sold. A home and a barn all in very good condition on 80 acres for $225,000 (#8301).

11.689 ACRE FARMETTE - With farmhouse and a bank barn Stream on property and a lovely view of the mountains. $52,500 (#11429)

DAIRY FARM - Middle Creek flows thru property. Pipeline and all milking equipment included in price Very scenic location with 16 year old 3 bedroom rancher. Nearly all land tillable for anyone not interested in a dairy operation. $195,000 (#11775)

MARSHALL L. MILLER, INC. REAL ESTATE
717-334-6283 or
Outside of Adams Co.
Call 1-800-443-2781,
Ext. C-53

CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND & CABINS

We presently have one of the largest selections of farms, farmettes, land and cabins available in central Pennsylvania. We have over 50 exclusive listings.

NEW LISTINGS

DAIRY OR GENERAL FARM - 129 acres (70 tillable, 52 pasture, 7 woodland and site). Sound 2-story aluminum-sided house, bank barn with 43 tie stalls, and new gutter cleaner, milk house, 14'x60' Lancaster silo, new 40'x60' implement shed, pond, swimming pool. Near Petersburg. $169,000.

GENERAL FARM - 111 acres (65 tillable, balance pasture and woodland). Barn, house, outbuildings and farm pond. Includes surface rights for coal stripping. Near Glen Richey. $225,000. Also available is 15-20 acre farmette. $69,500.

Our Farm and Land Department would be happy to mail a free, detailed farm and farmette list or land and cabin list to you.

See the December 10 and January 7 issues for a complete farm inventory.

FARM AND LAND DEPARTMENT

Fred Strouse (814) 364-1705 (Lewisburg) Larry W. Platt (717) 988-6588
Don Myers (814) 422-8111 (Bedford) Richard D. Reed (814) 839-4271
Mel Reckey (814) 446-6606 (Huntingdon) Rachel Furt (814) 669-4194

KISSINGER LEONARD & BROWER Realtors

Frederick J. Kissinger, Realtor
William H. Leonard, Realtor
Ralph F. Brower, Realtor
245 S. Allen St.,
State College, PA 16801
(814) 234-4000

new pennsylvania realty, inc.
717-386-5000 Schuylkill Office

BERKS COUNTY!

- ★ **150 Acre Modern Beef Farm** with feedlot for 400 head. 2 Harvestores 25'x90' and 20'x70', slurrystore 16'x 62', 140' 4 lot bunk feeder, equipment shed and much more. Call for details.
- ★ **140 Acre Beef Farm** consists of 2 adjoining farms with large feedlot (1,000 head per year), 3 silos, 2 Harvestores, 1 conventional, beautiful stone home. Call for more details!

Call **CARL JOHNSON**
215-367-6160

★ **I Need A Few Good Dairy Farms In Berks, Lebanon and Nearby Counties!**

WEST BRANDYWINE

75 acre farm w/circa 1750 dwelling plus additions & large bank barn. Stream. Home is in attractive setting w/fireplace in living room, dining room, spacious family room, modern kitchen. 4 bedrooms, possible seller financing. $335,000

WALLACE TOWNSHIP

141 acres w/stone Colonial home set well back from road overlooking acre pond. Bank barn Home has 4 bedrooms. Fireplaces & other Colonial features retained. 100 acres tillable land. 10 acres woods, 30 acres pasture. $380,000

PORTER & PAINTER REALTORS
407 W. Lincoln Hwy 215-363-7700
Exton, PA 19341

WILLOW SPRINGS
838 Acre Farm
Shenandoah Valley
VIRGINIA

Between Lexington and Staunton Cattle breeding/steer feeding operation with 200 cow/calf capacity at Brownsburg Automatic feeding systems with two 600 ton silos & covered bunkers 18 ft grain bin and dryer sheep barn machine shed Modern 2 story brick home on ridge overlooks valley Two tenant houses Numerous springs branches plus 3 acre lake $835 000

CONTACT FOR FURTHER INFORMATION ON THIS AND OTHER FINE SHENANDOAH VALLEY FARMS

MEAD ASSOCIATES
INCORPORATED

21 North Main Street ▫ Lexington Virginia 24450 ▫ Telephone 703/463 7168

Franklin Co. Farms

268 acres modern dairy w/double 6 parlor, 210 free stalls

157 acres dairy, 36 tie stall barn & loafing barn, $157,000

105 acres general farm w/lovely home, make offer

95 acres grain farm, excellent land, modernized brick home

Also 100 acres of open land near Gettysburg w/70 acres tillable

VanCleve Real Estate
Phone: 717-392-3032
anytime

144 AC. DAIRY FARM - Buy now and be ready for spring planting Barn 100'x90', 650 gal Esco tank, 43x40 Masonery Bldg Buildings in good condition Large 4 Bedroom Brick Colonial, surrounded by mature shade trees Well water, a spring and Stone Spring House, stream and pond Approx 100' Tillable, 10 15 woodland, 2700'+ road frontage Buildings set nicely off the road Divide and make 2 Farms with the 4 bedroom tenant house Price includes Farm Machinery, call for details and an appointment, Chester County $600,600

HOSTETTER Realty
Box 2023 A. • Gap PA 17527
442-4114 & 687-8286

Field Rent Bids

Sealed bids will be received until, and will be publicly opened at 2 00 P M , Tuesday, January 18, 1984 for field rental of good farmland at the Willow Street Vocational Technical School Farmland available is approximately 41 acres

Bid Forms may be obtained from the following

Mr Thomas G Bigler, Assistant Business Manager, Lancaster County Vocational Technical Schools 1730 Hans Herr Drive, Willow Street Pa 17584 Phone (717) 464-2771

The Lancaster County Vocational Technical School reserves the right to reject any and all bids

Shirley Risk, Secretary

Make That Dairy Deal Today!

Call Us Now...

RICH BRANDT REALTORS
2230 5th St. Highway, Reading, PA 19605
(717) 274-3622 - office - (215) 378-1122

REAL ESTATE | REAL ESTATE | REAL ESTATE | REAL ESTATE | REAL ESTATE

Christmas Tree Farm

Start your own on one of these low priced Steuben County Farms

400 acres, 250 tillable, balance hardwood forest. Asking $120,000 00

365 acres, 230 tillable, house and barn Asking $100,000.00

300 acres, 150 tillable, 2 ponds. $105,000.00

225 acres, 140 tillable, some timber. $90,000.00

LEW Real Estate
141 Chestnut St.,
Corning, New York,
14830
607-937-5637

FARM FOR SALE

232 Acres, 180 tillable. Honeoye Lima Loam, tiled and ditched. Attractive wooded area. 4 Grain Bins. Shop/Equipment Shed. Butler Building 40'x50', single story, 16' height. One metal barn, one wood barn. Two-story Colonial Home on large, level lawn; mature trees, well landscaped. 3-4 Bedrooms, modern Kitchen. Near Auburn, NY. For information on financing, or appointment, contact Bernice Pease, Broker, Nothnagle (Lakeville) Gallery of Homes Realtors, 5 Conesus Lake Blvd., Lakeville, NY, 14480. Phone: 716-346-2332. Residence, 716-346-3003.

FOR SALE FARM MONTOUR CO.

170 Ac. Farm with 4 BR dwelling, barn and out bldgs. 100 ac's of 50 yr. old timber. Stocked trout stream. Road frontage. 70 ac's. Tillable and pasture 5 miles to I-80. 5 miles to Geisenger Hospital $170,000.00

LAUBACH'S REAL ESTATE
717-275-2491

GRAIN FARM
ONTARIO/WAYNE COUNTIES NEW YORK

250 Acres - Woods - Muck Outbuildings - 4 Bedroom Farmhouse. Private Financing Considered. $245,000.

GARY BREWER, Broker
315-331-3675

LANDMERE REALTY

165 East Union Street
Newark, New York 14513

205 acres near Boalsburg, Centre County, 155 acres high fertility crop land, 20 acres established alfalfa, frontage on State Route 45, 10 room 2100 sq. ft. brick residence, two story bank barn with attached loafing shed, new 22x48 metal frame machine shed, new 20x60 concrete stave silo with 60 foot automatic bunk feeder. Present use beef, complete outbuildings all in good condition. Attractive setting with beautiful view in all directions. Asking price $450,000.00. Available Financing. REAL ESTATE CENTRE, 814-237-1150, Miles Clevenstine, realtor, farm representative, 814-383-2755.

REAL ESTATE CENTRE
2212 NORTH ATHERTON ST
STATE COLLEGE, PA 16801

HAPPY NEW YEAR

44 acre beef farm, zoned R1, 33 ta, stream through pasture, very nice 4 bedroom farm house bank barn & corn barn, $125,000.

93 acre beef farm, frame house and 4 car garage.

37 acres woodland, w/nice rancher. Call Mr. Baum.

Nice 50 cow dairy on 137 acres, 100 tillable acres. Stream and pond in pasture. 2 barns, beautiful house.

150 acres, 102 tillable acres, 40 woodland, nice level land, ideal for investment, $1200 per acre.

24 acres for hunting cabin in Bloomsburg area.

30 acres for hunting cabin, McVeytown area.

FARM & HOME REAL ESTATE
Smoketown, PA
717-291-2270

Sylvester Baum	Harlan Keener	Mahlon Oberholtzer
Carlisle	Willow Street	Lancaster
717-776-3967	717-464-2669	717-392-1177

Broker-J Irvin Denlinger
717-898-8962

SOUTHERN NORTHUMBERLAND CO. & SURROUNDING COUNTIES

70 acre farm, 60 tillable, home and barns, nice setting, Halifax, $110,000. Call Peter.

150 acre, 115 acres tillable, 200 steer feed lot, silo, 10,000 bushel grain storage, 125x30 machine shed, 2 nice homes, $199,000. Call Peter.

70 acre, new 100' modern hog setup, 50' Harvestore, large machine shed, large bank barn, 30,000 bushel grain storage. $65,000 home. Appraised for over $250,000. Sale $129,000. Call Peter.

102 acre farm, 65 tillable, 4 bedroom home, barn, pond, stream, $139,000. Call Peter

60 acre farm, lg. home, wood or oil heat, bank barn, small orchard, $69,000. Owner wants to sell, make offer. Call Peter.

137 acres, new horse stable, butcher shop & machine shed, large bank barn set up for sheep, pasture w/pond, 60 tillable, $150,000. Call Peter

600 acre farm, 400 tillable, large grain setup, $850,000. Call Peter.

400 acre farm, beef & broilers, 390 tillable, $800,000. Call Peter

400 acre grain and vegetable farm, large quantity of water for irrigation, new barns, extra nice home, 220 tillable, large quantity of low rent ground available, $500,000. Call Peter.

50 acres of farm and woodland, stream, $39,000. Can be bought with no money down. Call Peter.

PETER B.
CORTELYOU
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177
Ralph Deibler, Salesman
717-692-2587
Ralph has country homes and taverns.

NORTHUMBERLAND COUNTY

F2-3-500 R D #1, Paxinos Beef or General farm Total 116 acres with minimum 100 acres tillable Soils in top condition and good producers All buildings have been completely renovated or have been erected since 1979 2 story/2 family, brick farm house also completely remodeled, excellent quality and tastefully decorated Attractive setting with good access Call for additional information

F2-3-501 R D #3, Sunbury Beef or general farm, 63 acres approx 50/55 acres tillable with remaining in fenced pasture Bank barn and other buildings in excellent condition Super 'B" grain dryer with 2500 Bu wet/900 Bu dry holding bins Dump pit, grain elevator, 90' leg w/cleaner Total 63,000 Bu storage capacity Additional information available

L2-508 Shamokin Township farm -85 acres total 40/45 tillable & pasture with remaining woodland 8 to 10 acre tract never timbered 7 room, 4 Br house open for your decorating ideas Bank barn and equipment shed in fair condition 7½ miles from Sunbury, priced at $95,000

L1-525 R D #2, North'd 139 acres with approx half tillable, 400' frontage on hard surface road Possibility of return on investment with sale of attractive building sites Owner will consider assisting in financing Priced under $850 per acre

COLUMBIA COUNTY

L2-3-504 118 acres 70 acres tillable and 48 acres woodland Excellent access within 5 miles to Interstate 80 on Route #44 at Buckhorn exit Property divided by township road and owner would consider separate sales Priced at below present area sales per acre

BOWEN AGENCY, INC.
22 N. Market St.
Selinsgrove, PA 17870
(717) 374-2165

Art Bowen	Dale Heim	Dave Herbst
743-7556	473-3341	374-0257

Longacre FARM AND COUNTRY PLACES

BERKS COUNTY

111 acres, 85 t , general farm, features 2½ story double stone home Set back from road, 12 rooms, 2 baths Lg bank barn, wagon sheds and much more Boyertown area $280,000

208 acre dairy farm, 60 stall barn, pipeline milker, bulk tank, barn cleaner, 20 x 60 silo w/loader, large 2½ story home w/4 bedrooms, large eat-in-kitchen, living room, summer house, all for $325,000

67 acre turkey farm, features eloquent 2½ story colonial large modern eat-in kitchen, large formal dining room, center hall, formal living room, family room, 4 bedrms., 3 baths, 4 car garage, quest house bank barn and 240x70 broiler house, 260x52, 160x52 and 150x52 turkey houses, feed bins and much more all for $350,000

MONTGOMERY COUNTY

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs, 5 rooms with livingroom fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2 machine sheds, corn crib, silo & much more A very lovely setting, **$300,000 reduced to $240,000.**

JUNIATA COUNTY

58 acre, open and wooded, 2 story brick home, kitchen, living rm , dining rm & bath, and 3 bedrooms, stable and corncrib, good hunting-fishing area, $68,000

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

SNYDER COUNTY

65 Acre general farm w/88x45 barn w/block addition Large 90x36 implement shed, lg combination corn crib & shed Lovely 2½ story home w/kitchen, dinning room, living room 3 bedrooms & bath Completely remodeled $125,000 #344

BRADFORD COUNTY

100 acre, 80 T dairy farm, features 54 stall barn, barn cleaner, 16x50 and 16x60 silos, 20x30 Harvestore silo, w/unloaders, 60' bunk feeder, large pole barn, 800 gal bulk tank, lovely 7 room home w/modern kitchen and bath, all for $150,000 #376

225 acre 147 T dairy farm w/new 42 stall dairy farm barn 800 gal tank, 2" pipeline, barn cleaner, 6 concrete silos w/unloader & feed mixers, good 2½ story colonial house w/10 rooms and 2 baths and outbuildings $225,000

235 acre dairy farm, 125T, 3 bedrm brick ranch house w/large l r , kitchen & bath Features new 50 cow stall barn w/pipeline milker, bulk tank, etc 2 story bank barn for dry cows & heifers, 14x40 and 20x60 silos and bunk feeder, $300,000

BUCKS COUNTY

67 acre dairy farm, 2½ story colonial w/large living room, dining room, kitchen, powder room, 4 bedrms & bath, 30 stall, silo, 3 car garage w/ apt , heifer barn, $215,000, #367

145 Acre jug milk farm superb facilities, lg store & sales area, 3500 gal milk holding capacity, modern processing facility including ice cream making, 185 cow free stall, 5 lg silos, lg heifer facility, 2 double houses & 1 single home, shop, storage sheds, outbuildings, 200 cows, 250 heifers, full line of machinery additional rental acreage available Call for details. $1,5000,000

70 acre 60T dairy farm, features lovely 2½ story stone home, modern kitchen, living room, dining room, 5 bedrms , bath, sits back from road, 36 stall barn, silo, barn cleaner, bulk tank, Quakertown area, $240,000

171 Acre jug milk farm w/good sales store, double 6 low line parlor, 120 free stalls, 3000 gallon milk holding capacity, 20x80 & 30x60 silos, 100' & 70' bunk feeders, large 6 bedroom home, completely modern, lovely 2 bedroom ranch Also full line of cattle & machinery available Call for details $650,000 A 358

100 acre general farm w/large brick 5 bedroom home, 1½ baths, in good cond , large 2 story bank barn, 20x60 concrete silo w/unloader & lots of frontage (adjoins 171 acre farm) $348,000

SUSQUEHANNA COUNTY

102 acre w/14 acre pond, modern 4 bedroom brick ranch house w/kitchen, l r , fireplace, d r and 2 bedroom apartment 2 insulated cabins, on pond, 20 minutes from Elk Mountain, $160,000

520 acre dairy farm, w/120 acre approved land fill, 165 acres tillable, new 69 tie stall barn, 20 free stalls, modern milking parlor & liquid manure system, 2 large sheds, large main dwelling & 2 double houses and trailer 24x65 concrete silo, 20x80 and 20x40 Harvestore silos, 105 cows, 35 heifers, 3 large bull dozers and full line of machinery, lock stock & barrel $1,200,000

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins. Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled. Slightly rolling & level good ground $225,000, make an offer, reduced $175,000. #310

187 acre dairy farm, 170 T, pasture w/stream, 2 solid and lovely farm houses, 130 free stall barn, 70' bunk feeder, harvestore and concrete silos w/unloaders, 2 large trench silos, large machinery shed, 2 large heifer sheds and much more $530,000

SCHUYLKILL COUNTY

234 acre woodland tract, joins state gamelands, borders Rt 80 & secondary road, Pine Grove area, good hunting area, call for details, $175,000

NEW JERSEY

80 acre dairy farm, gently rolling to level, streams & pond 2½ story home with 4 bedrooms & 2 baths, large remodeled kitchen, dining rm., & laundry 60 stall barn & 80 freestall milkhouse, bulk tank, large shop, new large machinery shed & corn crib, 14x40 concrete silo & 200x25 trench silo $250,000

Soybean pests increasing in Del.

NEWARK, Del. — A survey of Dectes stem borer populations conducted by University of Delaware extension entomologists in soybean fields in lower Kent and Sussex counties this fall shows levels of this pest are increasing significantly in parts of Delaware.

According to extension pest management specialist Joanne Whalen, Kent County levels were low (2 to 5 percent). However, infestations ranging from 16 to 82 percent were found in the Laurel, Georgetown, Lewes, Milton and Ellendale areas of Sussex County.

"Within these areas, the number of fields affected economically has increased from six in 1982 to 17 in 1983. Estimated yield losses ranged from 9 to 27 bushels per acre. Taking into account the current price received for soybeans, these losses are significant," Whalen says.

She advises soybean growers who observed a high percentage of lodged plants at harvesttime to check their fields for the presence of the borer. This can still be done.

"Dectes stem borers overwinter in soybean stems near ground level," she explains. "This means sampling can be done after harvest. Collect 25 consecutive stems in four locations in a field and cut them open. If Dectes is present, you will see a frass plug (which protects the overwintering borer) and a yellow, legless worm inside the stem. If 10 percent or more of the plants you check are infested, consider taking steps to control this pest in 1984."

What are the options for control? Research conducted in North Carolina indicates that rotation and plowing will help suppress Dectes populations below economically damaging levels, Whalen says. Deep plowing will significantly reduce beetle emergence, which occurs in the summer. "Neither rotation nor plowing will eliminate the problem, because the borer overwinters in ragweed and cocklebur," she says. "However, both practices can help control this pest."

Another option is to scout fields starting to October to detect the presence of the insect. The post-harvest sampling method described above also can be used pre-harvest (25 consecutive plants in four locations) Fields having 10 percent or more plants infested with stem borers should be harvested early.

"Information from this year's survey also suggests that different row spacings and soybean varieties may affect the degree of Dectes infestation," the specialist says. "Heavy populations were found most often in soybeans planted in wide rows as compared to narrow row and double-cropped beans. In addition, the varieties Essex and Ware appeared to be more susceptible to the borer in both 1982 and 1983."

At present, deep plowing, crop rotation and early harvest are the best controls, Whalen concludes. "We need further information on the effect of row spacings, varieties and planting dates before we can recommend these practices as control options." She plans to continue collecting this data next summer.

Milk production up 4%

HARRISBURG — Milk production in Pennsylvania during November 1983 totaled 785 million pounds, up four percent from last year according to the Pennsylvania Crop and Livestock Reporting Service.

The number of milk cows in the commonwealth during November averaged 744,000 head, up 9,000 head from a year ago. Milk production per cow averaged 1,055 pounds in November, up 30 pounds per cow from a year ago.

U.S. milk production during November 1983 totaled 11.0 billion pounds, six percent more than November 1981. Comparative data for 1982 are not available by month, but are published on a quarterly basis. Total milk cows averaged 11.1 million head, up one percent from November 1981. Production per cow averaged 984 pounds, 39 pounds above November 1981.

FARMERSVILLE AUCTION

Annual New Year's Antique & Collectibles Sale

MONDAY, JANUARY 2, 1984

9:00 A.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Mahogany Windsor comb back rocker; large farm cupboard in oak; primitive pine cupboard, 100 yrs. old; brass bed; 3 piece depression bedroom suite w/Queen Anne legs; nice 9 piece depression dining room suite; round oak table w/3 boards; set of 6 cane seat chairs; pine blanket chest; poplar washstand w/candle shelves; large dressing mirror; 2 walnut hall racks; 1 oak hall rack; walnut drop-leaf table w/boards; fine marble-top candlestand in walnut; oak towel rack; nice mahogany fireside chair w/claw feet; 4 bentwood chairs w/table; tilt-top table; small oak cabinet w/glass door; cane rocking chair; dovetailed wood box; wool winder; dovetailed blanket chest w/hand-hammered hinges; oak china closet; pie safe; dough box on legs; chest of drawers in pine, signed; church bench; washstand; small dovetailed feed box; mahogany S roll desk; leaded shades; baby cradle; flour chest; Morris chair, oak extension table; set of 4 oak double pressed chairs; 2 cane seat high chairs w/pressed backs; pair plank bottom chairs; kitchen cabinet; oak pressed-back rocker; old wooden crib; new and old quilts, including Friendship quilt made by Mountain Anthems Chorus.

New Quilt tops; wicker sofa; small ladies desk; drop leaf table; large china closet; sewing table to match; pink depression tear drop bobeches; old ice cream dipper; celluloid clock; presidential pitcher; sterling silver penknife; onion skin pieces; china candlesticks; daguerreotype picture case; cookbooks; old stamps; curio cabinets; gold watch fobs and chains; 35 pieces Hall quality dinnerware; old baby christening dress, as is; Bennington marbles; pocketknife; kerosene lamps; cast-iron horse; depression glass; milk white egg; barrels; pretzel basket; trunk; very nice Tiffany-type table lamp; old blue painted crocks and others; signed jug; iron bulldogs; set Wedgwood dishes; service for 6 floral pattern; Spode chocolate pots; Spode teapots; old framed prints; large punch bowl w/10 cups, old; large Gone With the Wind lamp; bisque pieces; A&P teabox; 2 small tables; Victorian whatnot shelves; oak flower stand; pink agate double boiler; Ladies Home Journals 1906 & up; sundial; 24 silver dollars; Rohrers, Lanc. shot glass.

WE SELL ON COMMISSION
NO OUT OF STATE CHECKS!

CALL **JOHN J. RUTT**
354-5095

Second Auctioneer will start selling furniture at 10:00 A.M.

DISPERSALS COMING UP

SAT. JAN. 21 - 1 PM Real Estate, 4 bedroom, 2½ story brick house in the borough of Strasburg. Lydia and Annie King

THURS. FEB. 2 - 10:30 AM Horse Drawn Farm Machinery, Livestock 1 mile north of Bird-in-Hand Annie Stoltzfus

FRI. FEB. 10 - 1 PM Real Estate, 4 bedroom house, 8 acre farmette. 3 miles east of Gap on Mt Vernon Rd. Mose and Nancy Fisher.

SAT. FEB. 11 - 9:30 AM Horse Drawn Farm Machinery, Draft Horses and Mules 1 mile northwest of Strasburg on Herr Rd. David King.

FRI. FEB. 17 - 1 PM Real Estate, Farm Machinery, 5 bedroom house, horse barn, 18 acre farmette along Rt 10 at Compass Lloyd and Ruth Riehl

SAT. FEB. 25 - 10 AM Horse Drawn Farm Machinery, Draft Horses, Antiques, Furniture, Etc. In village of White Horse.. Amos F. Beiler

WED. FEB. 29 - 9:30 AM Horse Drawn Farm Machinery, Draft Horses, 25 heifers out of Stoltzfus herd. 1 mile south of Gap. Stephen U. Stoltzfus

TUES. MARCH 13 - 9 AM Full line of farm equipment, 3 IHC tractors, approx. 25 heifers out of Zook herd. 2 miles east of Intercourse. John Zook.

TUES. MARCH 20 - 10 AM Horse Drawn Farm Machinery, Horses, Mules, Heifers out of Fisher herd. ¾ mile west of Gap. Levi E. and Mary Fisher.

SAT. APR. 7 - 10 AM Farm Equipment, Antique Furniture, Tools. 3 miles north of Cochranville Mrs Filmore Martin.

Watch for full listings later.

For complete auction service Call or write:
Auctioneer,
STEVE PETERSHEIM
Box 152, Bart, PA 17503
717-786-4624

Public Auction Register

Closing Date - Monday, 5 00 P M of each week's publication

DECEMBER

TUES DEC 27 11 30 AM Public Auction of Modern Farm Equipment, Corn Cribs and Truck Located between Allentown and Quakertown, turn west off Rt 309 in the boro of Coopersburg across from the Driftswood Diner, go 2 blocks to dead end turn south on Main St , approx 2 mi to Blue Church Rd , turn west of farm, Bucks Co James R Stover, Owner Ralph W Zettlemoyer Auction Co , Inc

WED DEC 28 - 10 AM Public Auction of Farm Equipment, Located 1 1/10 mile north of Manchester, PA along Rt 181, turn right at "White Rock" Watch for signs Blaine N Rentzel, Auctioneer

THURS DEC 29 9 30 AM Public Auction of Household Goods, Antiques, Car and Items Located in the Winterstown Fire Hall, Rt 24, south of Red Lion, PA Bob and Tom Sechrist, Auctioneers

THURS DEC 29 - 9 AM Public Auction of Antiques, Collectables, Furnishings, Car, Coins, Jewelry, Guns and Tools Located at Curly Hill Rd , 3 mi west of Doylestown off Rt 313, Doylestown, PA Estate of Elizabeth Funk Sanford A Alderfer, Inc , Auctioneer

FRI DEC 30 - 9.30 AM Public Auction of Antique Engines, Tractor and Tools and Household Antiques Located in York Co , PA, Ridgewood Rd , east of Avalong Restaurant off Rt 30, turn east at Tourist Bureau at Avalongs Restaurant to T road, turn left and follow 2 mi to sale on right Margaret Shaffer, Owner Blaine N Rentzel, Auctioneer

FRI DEC 30 9 AM Public Auction of Business Consolidation Sale Located 8 mi east of Lancaster along Rt 340 in Intercourse C B Hoober and Son, Owners Robert E and Jeffrey R Martin and Frank L Steller, Auctioneers

SAT DEC 31 - 9 AM Public Consignment Sale of tractors and farm equipment Located from Interstate 31 South of Martinsburg, W VA take exit #5 (Inwood) W VA, Route 51 east approx 3½ miles to Shutt's Cash Grocery (formerly Haines') turn right 2 of a mile to sale--OR from Charlestown W VA take Route 51 West-go approx 3½ miles to Shutts' Cash Grocery turn left- 2 of a mile to sale Edgar A Bohrer, Sale Manager

SAT DEC 31 - 9 AM Public Auction of Antiques, Quilts, Household Goods and Coins Located at Paradise Fire Hall along Rt 30 approx 10 mi east of Lancaster, PA, behind American Bank. Estate of Susanna A Eshleman Ron Funk Auctions

JANUARY

MON JAN 2 9 00 A M Antiques Farmersville Auction in Farmersville, 3 mi East of Brownstown, Lancaster County, Pa John J Rutt, Auctioneers

MON JAN 2 - 10 AM Public Auction of Fork Lift, Misc Tools and 2 IH Heil Packer Trucks Located along Rt 562 in Stonersville, Midway between Jacksonwald and Yellow House (Rt 662), Exeter Twp , Berks Co Al Cataldi, Owner Frey Auctioneers

MON JAN 2 11 AM Public Auction of Guns, Clocks, Lanterns, Furniture, Glass and Tin Ware Located at Johnson's Auction, 406 E Main St , Mt Joy, (Rear of A & M news) on Rt 230 off Rt 283 H Edward Johnson, Auctioneer

TUES JAN 3 - 2 PM Public Auction of Farm Located at the west end of Longlane Rd , from Blue Ball take Rt 23E to Rtg 897N, go approx 2 mi to Longlane Rd , turn left to property, East Earl Twp , Lanc Co , PA Ivan M Martin, Owner Horning Farm Agency, Inc , Auctioneers

TUES JAN 3 2 P M Public Auction of Woodland Located along S Church St , between Hahnstown and Reamstown Right-of-way starts at Neighborhood School, East Cocalico Twp , Lancaster Co , PA Paul Newswanger, Owner Horning Farm Agency, Inc , Auctioneers

TUES JAN 3 - 9 AM Public Auction of Cattle, Machinery, and Produce Located at the farm on the River Road, 9 miles south of Mount Morris, NY From Mount Morris take Rt 408 south 2 miles to the River Road and turn Right From Nunda, NY go west on Rt 436 to "Oakland" and turn right on Oakland Road and follow to River Road Vianese Bros , Owner Pirrung Auctioneers, Inc , Auctioneers

WED AND THURS JAN 4 and 5 - 10 AM Public Auction of Antiques and Collectibles Located at 1350 MacArthur Rd , Rt I-78 and MacArthur Rd , Rt 145, Whitehall/Allentown, PA Convention Hall, George Washington Motor Lodge Sanford A Alderfer, Inc , Auctioneers

WED JAN 4 10 30 AM Public Auction of Dairy Cattle & Farm Machinery Located on the farm of Kasper Schmidt on Nicholson-Hop Bottom back Rd , 3 miles N of Nicholson, PA, 3 miles south of Hop Bottom off 167 Watch for arrows Louis & Bruce Oakley, Owners, Bill Mead & Howard Visscher, Auctioneers

FRI JAN 6 - 2 PM Public Auction of Farmette Located along Rt 23, 1 mi east of Blue Ball, Lancaster Co , PA Ivan M Martin, Owner Horning Farm Agency, Inc , Auctioneers

FRI JAN 6 - 10 A M Horse Sale at New Holland Sales Stables, Inc. 12 Miles East of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager.

FRI JAN. 6 - 12 Noon Public Auction of 45 Head of Top Holsteins. Located 5 miles east of Columbia Cross Roads, 5 miles west of East Smithfield on Springfield Road, Bradford County, PA. Lawrence and Veronica Doud & Son, Owners. Roy Andrus, Auctioneer

SAT JAN. 7 - 10.30 AM Public Auction of Cattle, Dairy Equipment, Farm Items, Lumber and Etc. Located in York Co , PA , 2 mi east of Hanover on Rt 116 then before crossing Railroad track, turn south at Trico Food and go 1 2/10 mi to 1st farm on left Philip J Dutterer, Owner Clair R Slaybaugh, Auctioneer

SAT JAN 7 - 1.30 PM Public Auction of State Graded Pigs Located at Carlisle Livestock Market, Inc , Exit 12, off I-81

DAIRY CATTLE & FARM MACHINERY AUCTION

Having decided to discontinue farming, we have been commissioned to sell on

WED., JANUARY 4, 1984

10:30 A.M.

Located on the farm of Kasper Schmidt on Nicholson-Hop Bottom back road, 3 miles N. of Nicholson, Pa., 3 miles south of Hop Bottom off 167. Watch for arrows.

61 -HEAD OF DAIRY CATTLE- 61

56 Holsteins, 4 Red Jerseys, 1 Bl. Jersey, 46 Mature Cows, 13 fresh by sale day, 6 close springers, 24 1st & 2nd time in, & balance in all stages of lactation. All animals A.I. sired, 30 day blood & T.E., Pregnancy examined, & shipping fever shots.

FARM MACHINERY

6 DeLaval Magnetic Pail Milkers; Dumping Station; 48" Fan; Approx. 380' of Starite Barn Cleaner Chain & Chute, Clockwise, and 3 yr.; 706 Int. Tractor, W/F, Gas, Dual Remotes, Heater Cab; AC D-19 Gas; N.H. 489 Haybine (2 yr.) and N.H. 311 Baler (1 yr.), both like new; 2-18' S & H Haywagons, 1-W/Oliver 10 T. Gear & 1-W/J.D. 8 T. Gear; 465 J.D. Barrell Spreader, 676 N.H. Tandem Spreader (400 Bu.); 42' Zimmerman Elevator; 3 Btm. 2 pt. plow (Parts); 2 pt. 12' Harrow, N.I. Wheel Rake, N.I. Crusher, Stock Tank, etc.

SPECIAL NOTE: 1979 4 WD Dodge ½ T. V8, Auto. Nice Truck.

AUCTIONEERS NOTE: This herd was last on test in Oct. '81 & had 16,840 & 589 fat. A good young herd showing a lot of potential considering this record was made on hay & grain alone.

TERMS: CASH OR GOOD CHECK.

Lunch Available **Heated Tent**

Owners
LOUIS & BRUCE OAKLEY
Sales Managers & Auctioneers

BILL MEAD
Montrose, Penna.
717-278-2901
717-278-9702 (Barn)

HOWARD VISSCHER
Nichols, N.Y.
607-699-7250

P.S Thinking of Having An Auction? Call Us For Help.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

MON & TUES JAN 9-10 - PA All Breed Bred Gilt Sale Located at Farm Show Building, small arena, Harrisburg, PA Sponsored by PA Co-OP Swine Breeders Assn Harry Bachman, Auc tioneer

TUES JAN 10 - 10 AM Public Auction of Industrial Equipment Located at 1207 Ridge Pike, Norristown, oppos Carriage Trade Auto Auction 1 mile E of Norristown Phila Air Transport, Owners Clay C Hess and Richard J Moyer, Auctioneers

FRI JAN 13 5 30 PM Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

SAT JAN 14 - 2 PM Public Auction of Farmette Located at the corner of N Main St, Reamstown and Lausch Rd Aaron M and Nancy S Nolt, Owners Sanford G Leaman, Auctioneer

SAT JAN 14 - 2 PM Public Auction of Real Estate Located on Rt 322, 2 miles west of Brickerville, Turn left onto Speedwell Forge Rd, second road, turn right onto Dead End Rd, 1 mile on left Donald & Kathryn Nolt, Owner John D Kilmer & Donald L Kilmer, Auctioneers

SAT JAN 14 - 10 AM Public Auction of Traction Steam Engines, Threshers, 100' of parts, Literature, etc Located at the decedent residence, located 7 miles East of Gettysburg or 3 miles West of New Oxford on Route 30 thence turning North onto Swift Run Road, ½ mile in Adams County, PA Russell Samuel Osborn, Owner Clair R Slaybaugh, Auctioneer

THURS JAN 19 11 AM Public Auction of Tractors, Farm Machinery, Trucks, and Misc items Located on Payne Road, 1 mile northeast of Preston, MD Signs will be posted Mr & Mrs Thomas Cheezum, Owners Chester Lee Carroll and Harry Barrett, Auctioneers

FRI JAN 20 9 30 AM Public Auction of 5 Head Horses, 40 Head Holsteins and a Good Line Farm Machinery Located in Centre Co, 4 mi east of Aaronsburg, PA on Rt 45, turn south on Fiedler Rd Mr and Mrs Jacob Hershberger, Owners Mark Glick, Auctioneer

FRI JAN 20 - 10 A M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

SAT JAN 21 10 AM Public Auction of Livestock and Farm Equipment Located 4 mi south of Quarryville, 1 mi east of Rt 222 along St Catherine Rd, East Drumore, Twp, Lanc Co, PA Christ S Stoltzfus, Owner Diffenbach's Auctioneers

SAT JAN 21 1 PM Public Auction of Real Estate Located at 38 N Decatur in village of Strasburg Sarah and Lydia King, Owners Steve Petersheim, Auctioneer

SAT JAN 21 10 30 AM Public Auction of School House and Ground Located at Beaver & Lee St, Hellam Boro, York County Blaine N Rentzel, Auctioneer

FRI JAN 27 - 1 30 P M Dairy Cattle Sale at Penns Valley Livestock Auction, Centre Hall, Pa. (at the intersection of Rt. 45 and 144). Ron Gilligan, Auctioneer.

FRI JAN 27 - 1 30 PM Dairy Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

SAT JAN 28 - 10 AM Public Auction of Horses Located at Keister's Middleburg Auction Sales, Inc, Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes Auctioneers

FEBRUARY

FRI FEB 3 10 A M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

FRI FEB 10 - 9 A M Public Sale of Farm Machinery at New Holland Sales Stables, Inc, 12 miles East of Lancaster of Rt 23 in New Holland, Pa Abe Diffenbach, Manager

SAT FEB 11 - 9 30 AM Public Auction of Horse Drawn Farm Machinery, Horses and Harness Located 1 mi north of Strasburg on Herr Rd David King, Owner Steve Petersheim, Auctioneer

SAT FEB 11 - 10 AM Public Auction Located 4 mi southeast of Strasburg along Road from Ivy to Mt. Pleasant Mennonite Church, Lanc Co, PA Benuel S Esh, Owner Diffenbach's Auctioneers

TUES FEB 14 - 9 AM Public Auction of Holstein Herd Dispersal, Mules and Farm Machinery Located on Rt 272 south of Lancaster, 6 mi turn east on Ship Rock Rd, ½ mi to farm, 6 mi north of the Buck, east on Ship Rock Rd Henry F Fisher Owner Kreider and Kline, Auctioneers

THURS FEB 16 Public Auction of Farm Equipment, Household Goods and Livestock Located 2 mi northwest of New Holland, turn off of Rt 23 on N Shirk Rd at Goods Furniture, 1st road left on Amishtown Rd, Lanc Co, PA Emanuel S Lapp, Owner Robert E Martin and Son 656-7770, and Frank L Steller, Auctioneers

FRI FEB 17 Public Auction of Farm Equipment, Household Goods and Livestock Located along Rt 30, between Kinzers and Gap, Lanc Co, PA Amos Yoder, Owner Robert E Martin and Son, 656-7770 and Frank L Steller, Auctioneers

FRI FEB 17 - 10 A M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

FRI FEB 17 - 9 30 AM Public Auction of 50 Head Holsteins, Dairy Equipment and Farm Machinery Located in Mifflin County, 5 miles Northeast of Belleville, PA on the back Mt road Mr & Mrs Jesse L Hostetler, Owners, Mark Glick, Auctioneer

SAT FEB 18 9 30 AM Public Auction of Draft Horse, Mules, Drivers and Meat Horses Located at the Belleville Livestock Market Mark Glick, Auctioneer

SAT FEB 18 - Auction of horse drawn farm implements and tools Located 2 miles northwest of White Horse alone Meadville Road in Salsbury Township, Lancaster Co PA Enos King, Owner LeRoy S and Paul W Horst, Auctioneers

FRI FEB 24 9 AM Public Auction of Antique Tractors and Engines, New, Used and Abused Farm Equipment, New Tools and Fruit Located 10 mi east of Lancaster, 2½ mi west of New Holland, turn off Rt 23 on S Groffdale Rd, turn left on Musser School Rd, Lanc Co, PA Elias S Beiler, Owner Robert E Martin and Son 656-7770, Frank L Steller and Blaine Rentzel, Auctioneers

FRI FEB 24 1 30 PM Dairy Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

SAT FEB 25 CONSIGNMENT SALE Const Equip, Trucks, Trailers & Contractors Equip to be held at the property adjacent to the Ramada Inn off Rt 95 in Essington, Pa, just south of the Philadelphia Int'l Airport Vilsmeier Auction Co, Inc

SAT FEB 25 10 AM Public Auction of Livestock and Farm Equipment Located 1½ mi, southwest of Bartville off Farmdale Rd, Lanc Co, PA Henry S Stoltzfus, Owner Diffenbach's Auctioneers

SAT FEB 25 - 10 AM Public Auction of Horses Located at Keister's Middleburg Auction Sales, Inc, Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

SAT February 25, 1984 - 9 AM Terms by Allan H & John W Brubaker Electrical supplies, farm machinery, household goods, and tools Located ½ mile north of Hahnstown, Ephrata Township, Lancaster County Auctioneers - Paul W & Leroy S Horst

SAT FEB 25 - 10 AM Public Auction of Horse Drawn Machinery, Draft Horses and Antique Furniture Located 7 mi east of Intercourse in village of White Horse Amos F Beiler, Owner

TUES FEB 28 - 9 30 A M Public Sale of farm machinery and tractors Located along Meadow Valley Road 1½ mile west of Ephrata By Edwin Horning and Sons Ralph Horst and Blaine Rentzel Auctioneers

WED FEB 29 - 9.30 AM Public Auction of Horse Drawn Farm Machinery, 22 Head Holstein Heifers from Stoltzfus Herd, 6 Work Horses Located 1 mi north of Gap Stephen U Stoltzfus, Owner Steve Petersheim, Auctioneer

MARCH

THURS MARCH 1 9 AM Public Auction of Dairy Cows and Farm Machinery Located on premises along Bowmansville Rd leading from Adamstown to Rt 625, from Bowmansville take Rt 625N under turnpike bridge, 2nd road left to T road turn left ½ mi to auction on right Clarence Weaver, Owner Randal V Kline, Lloyd Kreider and Roy Good, Jr, Auctioneers

FRI MARCH 2 9 AM Public Auction of Farm Machinery Located at the Belleville Livestock Market

LIQUIDATION AUCTION INDUSTRIAL EQUIPMENT

TUES., JAN. 10
10 A.M.
1207 Ridge Pike, Norristown, oppos. Carriage Trade Auto Auction. 1 mi E. of Norristown.

EQUIPMENT: Whitney Metal Tool Kick Press; 42" Whitney Jensen Power Shear, 3PH/60cy/220V Motor & Control; 3' set Pexto Rolls, S/N 4161, 14x15 ga. Cap.; Model P-2 Pullmax Nibbler, 32" throat, S/N 57100; Model 535 Pexto Ring & Circle Shear; 3' Pexto Foot Shear; Whitney Jensen Hand Punch; Marshalltown Circle Shear; Model 93A Pexto Apron hand Brake 43" cap.; Set Pexto Hand Rolls, 2' diam, 32" cap.; Model R-2 Weidemann Turret Punch, 14" throat; 10 KVA Esler Spot Welder, 12" throat, S/N 29974; Model 3 Johnson OBI Punch Press, 3PH/60cy/220V, S/N 648-3; 15 ton Niagara OBI Punch Press; 15 ton Ferracute back-wheel Punch Press; Model R4 HD Weidemann Turret Punch, 24" throat, 3PH/60 cy/220V, S/N 5825; Model V US vert. Milling Machine, floor model, power table, 10'x42", S/N 2161; Mod. 17-410 Delta 17" 2-spindle Drill Press, 3PH/60cy/220V; 10"x3½ Atlas Bench Lathe; Cinn. vert, bench mod. Milling mach,; Mod. 17-205 17" Delta Drill Press; Hardinge Precision Turret Lathe; 187AB South Bend backgeared Toolroom Lathe; 14" Delta 2-spindle Drill Press; 117-C 16x6 South Bend under motor Lathe Collets, Collet attach., chucks S/N 77634; Delta Surface Grinder (toolmaker model) 5x10 Mag. Chuck 1PH/60cy/110V.

MISC. 100 new small motors, many 1/3 hp; brass & steel fittings & gears, C clamps, elec. drills & sanders, taps & dies, plastic welder, 2 air comps., 15 gal. paint, bag trucks, plastic rods & tubing, 22 54x94 sheets ABS plastic, brass & copper pipe, large quan. machine tools, acct. torches & tanks, 100 steel buckets, shipping cases, bench sander & drill press. lockers, 10 in. table saw, paint booth, sork tables, etc. **OFFICE EQUIP.;** 3 office desks, Blueprint file, 34 file cabs., 2 fire proof cabs., 50 camera lenses 1977 & 79 Thomas Registry, etc., etc. Inspection Jan. 9, 10 to 4. Bldg. to be demolished. Send for illus. brochure.

By order of
PHILA. AIR TRANSPORT.

489-7127 948-8050
HESS & MOYER
AUCTIONEERS
115 HESS ROAD • COLLEGEVILLE, PA 19426

SPECIAL SALES

At the Belleville Livestock Mkt.

SAT., FEB. 18, 1984
Horse sale, Tack at 10:00 and Horses at 11:00 A.M.
If you have an outstanding or registered consignment to list for this sale we need the information by Jan. 25.

FRI., MARCH, 2,
at 9:00 A.M.
Annual Consignment of Farm Machinery.

WED., APRIL 11,
at 3:00 P.M.
Special Easter lamb and goat sale.

FRI., EVENING, APRIL 27,
at 6:00 P.M.
Spring heifer sale.

BELLEVILLE LIVESTOCK MKT, INC.
717-935-2146
Clip and Save

DOUD'S MILKING HERD BRED HEIFER DISPERSAL

FRIDAY, JANUARY 6, 1984
at 12:00 Noon
Located 5 miles east of Columbia Cross Roads, 5 miles west of East Smithfield on Springfield Road, Bradford County, Pa.

45 HEAD TOP HOLSTEINS 45
Home raised Herd consists of 37 young cows and 8 Spr. Hfrs. These cows have size, very good udders and show lots of milk. Several just fresh or close. Balance bred back.
Pregnancy Examined.
T.B. and Blood Tested for Interstate.
Inoculated for Shipping Fever.

PRODUCE
Selling approx. 1800 to 2000 bales early July cut hay and 12' x 40' silo of good corn silage.

Owners
LAWRENCE & VERONICA DOUD & SON
Roy Andrus,
Sales Manager
717-297-3580

PENNSYLVANIA ALL BREED BRED GILT SALE

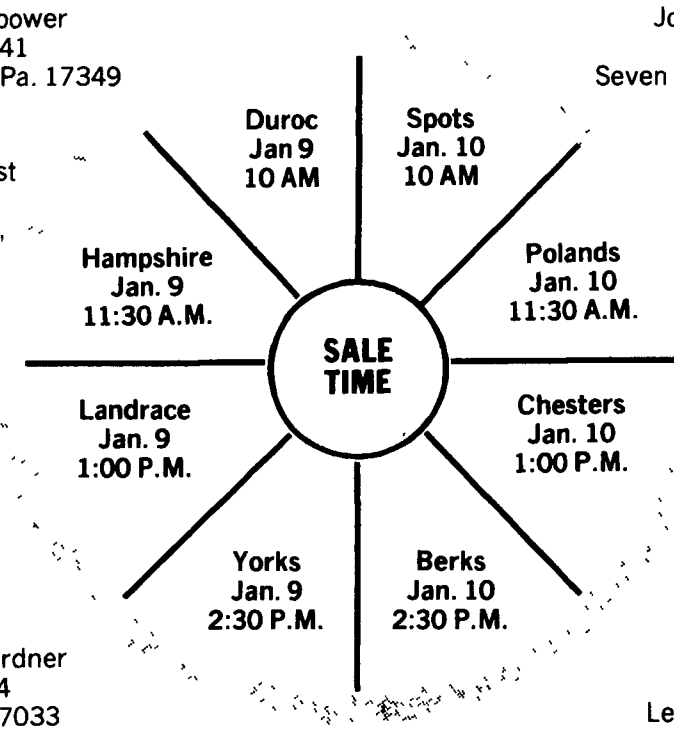
JAN. 9-10-1984
Farm Show Bldg. Harrisburg, PA
Small Arena
Sale Arena Ph. (717) 787-4160

Berks:
Arlie Cornbower
#1 Box 41
New Freedom, Pa. 17349

Landrace:
John Mummert
Box 152-C
Seven Valleys, Pa. 17360

Chesters:
Charles Griest
#1
Abbottstown,
Pa. 17301

Poland:
Harlan Wessner
#1 Box 247
New Tripoli,
Pa. 18066



Duroc:
Rick Pfautz
#1
Stevens, Pa.

Spotted:
Clair Hartman
Box 222
Gratz, Pa. 17030

Hamps:
Charles Bomgardner
#3 Box 604
Annville, Pa. 17033

Yorks:
Leon Arnold
#7 Box 705
Lebanon, Pa. 17042

Auctioneer:
HARRY BACHMAN
138 College Ave., Annville, PA 17003
Tel 717-867-1809

SWINE SHOW
Jan. 7 8:00 A.M.

PA. CO-OP SWINE BREEDERS ASSN.

MELVIN KOLB INC.

ORCHARD HOLLOW FARM
COMPLETE HERD DISPERSAL

Nevin & Doneen Dourte

THURSDAY, JANUARY 5, 1984 AT 11:00 A.M.

LOCATION: West of Lancaster on Dairy Road. Take Rt. 283 west of Lancaster, exit beyond ABC Stud Barns at Flory Mill Road, turn left after exiting, go to the Mill, then sharp right under railroad bridge. Barn is within sight of Rt. 283.

74 REGISTERED HOLSTEINS 74

34 COWS 10 BRED HEIFERS 30 YEARLINGS & CALVES
1EX. 4 VG and the rest are GP & GOOD
Herd Avg. 1983: 16,543M 3.7 606F.
Examined for pregnancy, shipping fever shots and tested for interstate
Daughters of Popular Sires Selling: ELEVATION, ASTRONAUT, VINCENT VIEW MARVATION, VIRGO, RAVERION, FLEETRIDGE, GRAND MARCH, BOLD CHIEF, MARK A, LUDVUE FOND TOM, CHARSAM ELEVATION PABST, KIT BUILDER, JEMINI, and many more. (13 head over 20,000M)

SPECIAL MENTIONS

SIMALOT FOND TILLIE EX-90 EVEE, her sire LUDVUE FOND TOM, her dam's sire PACLAMAR MILESTONE, as 6-08 365d 2x 25710M 3.8 987F, cow index +905, fresh 11/4/83, has two duas. selling: a 2 yr. old CHARSAM ELEVATION PABST dau. bred 12/10/83 to STEWART & a yearling C SHORELEA CITATION MARK A dau.

SCHREIBERS R MAPLE FRASER VG-88, VVEV, her sire R MAPLE, as 4-07 316d 2x 20865M 3.6 748F, bred 12/11/83 to WILEEDA CITATION R. Also, selling her 2 daus.: a BOLD CHIEF GP-83 dau. as 3y 2x 365d 19312M 4.0 780F, fresh 10/10/83, and a yearling VINCENT-VIEW MARVATION dau.

MAPLEBOUND MARVATION BEENA VG-86 2y, her sire VINCENT-VIEW MARVATION, her dam IVANHOE STAR dau. GP-82 as 6y 2x 365d 23640M 4.4 1029F, her record as 305d 2x 26268M 3.6 939F, bred 11/14/83 to PAPER MAN OREGON, yearling heifer from MILU BETTY IVANHOE CHIEF.

BUFF-VAL JEWEL PEGGIE VG-85, her sire DORLOY ASTRONAUT JEWEL, as 5-11 2x 306d 16771M 3.4 567F, bred 10/8/83 to PREMIER, her dam LUCKY TYPEBLAZER GP as 5-05 2x 305d 16810M 3.7 621F.

LISTING OF ADDITIONAL TOP COWS:
VG-83 TIHO KIT BUILDER dau. fresh 9/9/83, as 4y 2x 365d 22566M 3.6 814F; GP-80 SHARDALE ARLINDA CHIEF JEMINI dau. fresh 11/15/83 as 2y 2x 18647M 3.6 677F; G-79 UTAG DAGAN EX ALAN dau. fresh 11/16/83, as 4y 305d 2x 23157M 3.5 822F; a FLEETRIDGE GRAND MARCH dau. bred 6/3/83 to MILESTONE, last yr. 339d 20263M 3.7 741F, had MILESTONE dau. 1st prize 2 yr. old 1982 NH Show & Sale (sold for $3900), and has a 2 yr. old VIGO RAVERION dau. due at sale time; a VG-85 ELMCROFT PONTIAC CHIEFTAN dau. Red & White fresh 9/18/83, 347d 18052M 3.4 630F.

Listing of Some of the Sires of Bred Heifers & Yearlings: SWEET HAVEN TRADITION, MILU BETTY IVANHOE CHIEF, MIDDESSA LIL ARLINDA, VIGO STANDOUT REFLECTION, PLUSHANSKI PERSUADER.

Almost all cattle were bred artificially to the following Service Sires: MAJESTIC, TRADITION, CITATION R, STEWART, BELL, DYNAMO, IVAN BETTY CHIEF, MILESTONE, SAMUEL, PREMIER, AVALANCHE, OREGON & BOOTNICK.

ALSO SELLING IMMEDIATELY FOLLOWING THE HERD:
25 fancy PUREBRED cows & heifers, just fresh or close; 25 Good Big Fancy GRADE cows from New York (the right kind, giving lots of milk); and 20 nice fresh 1st calf heifers.

SPECIAL MENTIONS:
A GP PAWNEE FARM ARLINDA CHIEF dau. fresh, 2-7 330d 16241M 4.0 652F, her dam VG in 348d 20490M 3.7 750F, next dam EX EX Mamm. in 365d 21698M 4.1 902F, over 103,000M. full sister VG-87 333d 2x 29980M 771F-1st I11. Milk Leader; A 3 yr. old MOORE FARMS BELLRINGER dau. fresh w/heifer calf born 12/15/83 by DREAMSTREET PIONEER-ET, 2-01 2x 333d 12190M 3.7 451F from VG-86 dam 296d 2x 20440M 3.4 700F, next dam 305d 2x 20670M 655F; A fancy 3 yr. old BIS-MAY ASTRO JUPITER dau. EX Mamm., never scored or on test but will score VG; A ROUND OAK RAG APPLE ELEVATION dau. fresh from ASTRONAUT dam, her record 305d 2x 16657M 4.6 761F, dam's record 305d 2x 18776M 4.0 759F.

FREE LUNCH FOR ALL DAIRY FARMERS

DOOR PRIZE: PUREBRED HEIFER CALF. Must be a buyer to be eligible and present to win.

MELVIN KOLB, Sales Manager
ROBERT C. MULLENDORE, Auctioneer

FREE TRANSPORTATION FOR LANC CO AMISH
Please call 569-2106 or 569-6800 for a ride to the Sale.

PA FARM: Dennis Kolb, Manager
(717) 569-2106/569-6800
MD FARM: Robert Wall, Manager
(301) 898-7720/898-7663

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI MAR 2 10 A M Horse Sale at New Holland Sales Stables Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

FRI APR 27 6 PM Public Auction of 250-300 Head Heifers, all sizes, Springing, Bred and Open Heifers, some registered Located at the Belleville Livestock Market

SAT MARCH 3 20th Annual Bart Twp Fire Co Located in Georgetown, on Rt 896. 7 mi south of Strasburg Larry LeFever, Auctioneers

SAT MAR 3 10 00 AM Horse Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

TUES MARCH 6 10 AM Public Auction of Full Line of Farm Machinery, Hay and Straw Located 1 mi south of New Holland off of Rt 23, between Kinzer Ave and Brimmer Ave Ray and Linda Geissinger, Owners Jeffrey R and Robert E Martin, Auctioneers

TUES MARCH 6 9 30 AM Public Auction of Farm Machinery, Butchering Tools, Furniture and Antiques Located in Centre County, 7 miles East of Pleasant Gap (Bellefonte), PA, on Route 64 Clarence Korman, Owner Mark Glick, Auctioneer

THURS MAR 8 10 30 A M Public Auction PA World Relief Heifer Sale 100 Head Located at the Guernsey Sales Pavilion along Rt 30 Wilmer Kraybill, Manager

THURS MARCH 8 Fourth Annual World Relief Heifer Sale Located at the Guernsey Sales Pavilion, Lancaster, PA John Umble, Lee Kurtz and Omar Stoltzfus, Auctioneers

FRI MAR 9 9 A M Public Sale of Farm Machinery at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

FRI MARCH 9 9 AM Public Auction of Machinery Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes Auctioneers

SAT MARCH 10 9 AM Public Auction of 54 Head Holsteins, Dairy Equipment and Farm Machinery Located in Centre County, at the East end of Aaronsburg, PA, along Route 45 Malvin & Pauline Ream, Owners Mark Glick, Auctioneer

TUES MARCH 13 9 AM Public Auction of Farm Machinery, Farmall Tractors, 20 Head of Heifers and Antiques Located 2 mi east of Intercourse on 340 John L Zook, Owner Steve Petersheim, Auctioneer

FRI MARCH 16 - Public Auction of Full Line of Farm Machinery Located at RD 1, Blain, Perry Co , PA James Koser, Owner Kling's Auction Service

FRI MARCH 16 5 P M Public Auction of 65 Tractors and Trucks, Material, Small Items and Tools, Etc Located at the Kempton Community Center

FRI MARCH 16 - 6 30 PM Public Auction of Feeder Cattle and Feeder Pigs Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

FRI MARCH 16 Public Auction of Farm Equipment, Antiques and Household Goods Located along Red Run Rd , 2 mi northwest of Terre Hill, near the Red Run Campground Lloyd H Martin, Owner Nevin Martin, Paul Horst and Lowell Horst, Auctioneers

SAT MARCH 17 9 30 AM Public Auction of Farm Equipment, Household Goods and Antiques Located between East Petersburg and Manheim turn off of Rt 72 on West Auction Rd , 1st crossroad left Titus M , Mary H , Eugene N and Donna J Nolt, Owners Robert E and Jeffrey R Martin 656-7770, Auctioneers

SAT MARCH 17 Public Auction of Farm Machinery and Misc Items Located at RD, Mechanicsburg, Cumberland Co , PA Robert Eppley, Owner, Kling's Auction Service

SAT MARCH 17 - 9 A M Public Auction of Farm Equipment, Tools and Small items Located at the Kempton Community Center 12 Auctioneers

SAT MARCH 17 9 30 AM Public Auction of Farm Machinery and Antiques Located at Chester Wilson Farm, approx 4 mi south of Strasburg, PA off Rt 896, take May Post Office Rd south to Weaver Rd to Winter Hill Rd Chester and Anna Wilson, Owners Ron Funk Auctions

THURS MARCH 22 Farm Machinery Consignment Auction Located at RD 1, Landisburg, Perry Co , PA Kling's Auction Service

FRI MARCH 23 7 PM and SAT MARCH 24 9 30 AM Public Auction of Farm Toys Located at Historic Strasburg Inn Second Annual Lancaster Farm Toy Auction, Sale and Show

FRI MAR 23 10 A M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

FRI MAR 23 - 1 30 PM Dairy Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

SAT MARCH 31 10 AM Public Auction of Horses Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

SAT MARCH 31, 1983 10 AM Public Auction of farm equipment, tools, furniture, ear corn, hay and numerous small items Located 1 mile southeast of Reamstown on Steffy Rd Elam W Nolt, owner Nolt & Witmer Auctioneers

SAT MAR 31 - 9 00 AM Consignment Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

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PUBLIC AUCTION AT GOODS AUCTION
111 N. Maple Ave.
Leola, Pa. 17540
Hay - Straw - Corn
Every Wed. at 12:00 Noon
No Out of State Checks
Good's Auction

GO THE AUCTION WAY

Get The Most Money For Your Clean Furniture - One Piece Or The Entire Household

Pickup Service Available

Weekly Auctions For The Past 12 Years
CALL
FARMERSVILLE AUCTION
Farmersville, PA
717-354-5095
John J. Rutt

PUBLIC AUCTION

OF FORK LIFT, MISC. TOOLS AND 2 IH HEIL PACKER TRUCKS, ON MONDAY, JAN. 2, 1983
Sale at 10:00 A.M.
Trucks at 11:30 A.M.
Located along RT. 562 in Stonersville, Midway between Jacksonwald & Yellow House (RT. 662), Exeter Twp., Berks Co.

2 1970 IH 2010 & 2110 Trucks with 20 Yard Heil Packers, both gas & with air brakes-1w/5 spd-1 w/auto trans; 1967 B-46 Mack gas tractor (parts); Clark gas powered fork lift; 8' tailgate hydraulic cylinder spreader; shaft driven drill presses; ladder jacks; wrenches; hammers; jacks; cable; air hoses; snow blower; snow fence; mowers; bicycles; metal window sash; scrap iron & other, many more items.

Cash or Pa. check SOLD FOR **AL. CATALDI**
Frey Auctioneers

PUBLIC SALE
OF 40 ACRE FARM

TUESDAY, JANUARY 3, 1984
At 2:00 P.M.

Located at the west end of Longlane Rd. From Blue Ball take Rt. 23E to Rt. 897N, go approx. 2 miles to Longlane Rd., turn left to property. East Earl Township, Lancaster Co., Pa.

2½ story frame house. 1st floor: Mod. Kit.; Din. Rm.; Liv. Rm.; Laundry; ½ bath; Storage Rm. (Kit. & Laundry rm. new within the last few years.) 2nd floor: 5 Bedrms; Full Bath. Attic; Full basement; OHW heat; Tin roof; Grape Arbor; Large old shade trees; Macadam drive.

BARN: Frame bank barn w/hip roof. 1st floor: Steer stable & horse stalls; Equip. storage and large corn crib on west side.

OUTBUILDINGS: Frame corn & equipment shed; Buggy shed & Tobacco shed w/cellar & stripping room with rails; 2 frame brooder houses; 24'x135' 2 story frame chicken house w/frame attached horse stables. All buildings have tin roof.

SILOS: 14'x60' Terre Hill stave silo; 10'x40' poured cement silo.

WATER: Well & cistern; Septic system.

LAND: All tillable except builidng area; Terrain level to gentle slop.

TERMS: 10% down day of sale; settlement by April 1, 1984. Inspection anytime by appointment. Call HORNING FARM AGENCY, INC. @ 215-286-5183.

Terms by:
IVAN M. MARTIN
Atty: Robert Weaver
HORNING FARM AGENCY, INC.
Alvin Horning, Auctioneer
Main St., Morgantown, Pa. 19543

150-200 HEAD SPECIAL HORSE SALE DRIVING & WORK HORSES

FRIDAY, JANUARY 6, 1984

Tack 9:00 A.M.
Sale 10:00 A.M.

AT NEW HOLLAND SALES STABLES, INC.

12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

1 Load Work Horses consigned by William Mitchell.
1 Load Work Horses consigned by Jim Howard
1 Load Work Horses consigned by Billy Meadows.
2 Loads Work Horses consigned by Ward Wright.
1 Load Work Horses consigned by Christ Smucker.
1 Load Work Horses and Mules consigned by Norman Kolb.
1 Load Work Horses consigned by Tom Collins.
1 Load Standardbred Driving Horses consigned by Jonas Beiler.
1 Load Standardbred Driving Horses consigned by Clayton Waterbury.
1 Load Standardbred Driving Horses consigned by Reuben Stoltzfus.
1 Load Standardbred Driving Horses consigned by Levi B. Stoltzfus.
1 Load Work Horses consigned by Donald Mason.
1 Load Work Horses and Driving Horses consigned by Bud Leonard.
1 Load Work Horses consinged by John King.
Plus many more consignments.

For more information contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538
Next Horse Sale
Friday, January 20, 1984
at 10:00 A.M.

PUBLIC SALE
OF
6½ ACRES OF WOODLAND
TUESDAY, JAN. 3, 1984
at 2:00 P.M.

Located along South Church St., between Hahnstown and Reamstown. Right-of-way starts at Neighborville School, East Cocalico Twp., Lancaster County, Pa. Terrain is gently sloping. Property is being sold for the Estate of Adam Newswanger and will be sold at Ivan Martins farm sale along Long Lane Rd., off Rt. 897, south of Terre Hill, Lancaster County, Pa.

TERMS: 10% down of day of sale; settlement by February 15, 1984
For more information or appointment for inspection call Paul Newswanger at 717-354-9935.

TERMS BY:
PAUL NEWSWANGER
Atty's:
Wentz, Weaver & Kling
HORNING FARM AGENCY, INC.
Alvin Horning, Auctioneer
Main St., Morgantown, Pa. 19543
215-286-5183

2-DAY AUCTION

A most unique collection of antiques and collectables from one of America's finest antique shops, THE FULLERTON GALLERIES. In business since 1890, this landmark antique shop is closing and this very fine collection will be offered at Absolute Auction.

AT: CONVENTION HALL
GEORGE WASHINGTON
MOTOR LODGE
1350 MacArthur Road
(Rt. I-78 & MacArthur Rd., Rt. 145)
Whitehall/Allentown, PA

SESSION 1 -
WEDNESDAY, JAN. 4, 1984
10:00 A.M.

SESSION 2 -
WEDNESDAY, JAN. 4, 1984
6:00 P.M.

SESSION 3-
THURSDAY, JAN. 5, 1984
10:00 A.M.

If necessary, a fourth session will be held Thurs. P.M.

Many bowfront china cabinets, ornate oak ext. tables, Victorian parlor suites, corner cupboards, dry sinks, jelly cupboards, chests, Civil War field desk, chairs, rockers, tall case, kitchen & mantel clocks, pump & pipe organs, cherry slantfront desks, secretaries, blanket chests, Victor & Edison phonographs, lamps, oil paintings incl. "The Drummer's Latest Yarn" by Archibald M. Willard, prints, frames, portraits, Baltimore Belles, etchings, etc., lg. ornate carved oak fireplace mantel, oriental furniture, early kitchen furniture, several period pieces, marbletops, leaded Tiffany type domes, washstands, beds, bureaus, Mettlach, German & Neuweiller Stein Collection, Antique Skotch Whiskey Collection, Stangl bird collection, cut glass, carnival, Bohemia, Heisey, Mary Gregory, Ruby Cranberry, vaseline, custard, as well as many Belleek, Staffordshire, Adams, Historical Blue, German, Bavarian, Gaudy, Ironstone, Bonn, Royal Bonn, Majolica, Spatter, and much more; sterling & coin silver, watches, jewelry, orientalia, Chinese rose medallion & blue oriental garden stools, brass, onyx, soapstone, primitives, and hundreds of other interesting & desirable items not mentioned. Please write or call for detailed brochure!

Mark your calendar now and plan to attend all sessions. Each one is designed to offer something for everyone.

TERMS - Cash or check w/bank letter guaranteeing funds. All items must be paid for and removed from Convention Hall by Thurs. P.M.

Sanford A. Alderfer, Inc.
REAL ESTATE BROKERS and AUCTIONEERS
665 Harleysville Pike (Rt 113)
Box 1 Harleysville PA 19438
215-723-1171 or 256-8892

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT MAR 31 - 9 A M CONSIGNMENT SALE Const Equip , Trucks, Trailers & Contrs Equip to be held at Wall Stadium property, located on Rt 34 in Wall Township (Belmar/Manasquan area), N J Vilsmeier Auction Co , Inc

PUBLIC SALE

OF 3 ACRE FARMETTE

FRIDAY, JANUARY 6, 1984

AT 2:00 P.M.

Located along Rt. 23, 1 mile east of Blue Ball, Lancaster Co., Pa.

HOUSE: 2½ story stone & brick house. 1st floor: Lrg. Kit.; Liv. Rm.; Sewing rm.; ½ bath; Large laundry. 2nd floor: 4 Bedrms.; Full bath. Attic storage; Full basement w/cement flr.; OHA heat; Lrg. flagstone porch; Shingle roof; Well & septic system. Cement block 2 car garage.

BARN: Frame bank barn w/tin roof. Lower level has open stables.

OUTBUILDINGS: Block milkhouse (used for small shop); Frame tobacco shed w/cellar & corn crib; 12' x 50' cement silo.

LAND: 3 acres of land, level to gentle slope. Frontage on Rts 23 & 897.

TERMS: 10% down day of sale; settlement by April 1, 1984. Inspection anytime by appointment. Call HORNING FARM AGENCY, INC. at 215-286-5183.

TERMS BY:

IVAN M. MARTIN

Atty: Robert Weaver

HORNING FARM AGENCY, INC.
Alvin Horning, Auctioneer
Main St., Morgantown, Pa. 19543
215-286-5183

PUBLIC SALE

SATURDAY, JAN. 7, 1984

AT 10:30 A.M.

DAIRY HERD, PIPELINE MILKER, FARM ITEMS, LUMBER, POULTRY EQUIPMENT, SOME HOUSEHOLD. ETC.

Located in York County, PA, 2 miles East of Hanover on Route #116, then, before crossing Railroad track, turn South at Trico Food and go 1 2/10 mile to first farm on left. (Watch for Sale Signs).

7 REGISTERED AND 12 GRADE HOLSTEINS CERTIFIED-ACCREDITED- 30 DAY HEALTH TESTS

17 Cows in milk, 8 Fresh or close springers including 2 Registered first calf heifers with the balance being scattered. Herd is mostly sired by Herdsman Charolis. Cows and Heifers with good size and type.

DAIRY EQUIPMENT

17 Cow Delaval glass lined 2 unit milking system with milker pump and motor; Delaval 300 gal. SS bulk tank, remote control; Twin SS wash vat; 80 Gal. water heater; Stewart clipper; Fly fogger; 8 milk cans, 50 & 85 lbs.; Surge SP11 milker and 2 milking units; 17 Stable Mats for cows.

FARM ITEMS, LUMBER, ETC.

Century 300 gal. fibre glass, 12 row, trail sprayer, like new; McCurdy auxilary rollaway drag with motor, same as new; 12" post hole auger, 3-pt.; 60 tooth peg harrow; Old drag bed ensilage blower; Tractor mounted wood saw for JD #530 A or B with blade; Blacksmith blower; 40 Locust posts, some sawed; 4 Cords sawed stove wood; Metal chicken nests; Feeders; 8 Chicken Crates; Wooden barrel; 300' of 6" mahogany boards; Some wall boards; False end gate and power unit for wagon; JD hillside hitch; Furrow plow; Poultry wire; Bag cart; Used 16' tire; Furrow plow; Qualified white enamel comb. wood and gas range; 2 Hahn-Eclipse power drive rotary mowers; Wood ½ bushel; Articles too numerous to mention.

TERMS: Cash or personal checks with approval.

Not responsible for accidents day of sale.

Owner,

PHILIP J. DUTTERER

CLAIR R. SLAYBAUGH, Auctioneer
Idaville, PA
Phone: 717-677-7479

LUNCH STAND AT SALE

SAT MARCH 31 Public Auction of Farm Machinery and Misc Items Located at RD 1 Newport, Perry Co , PA Kenneth Schreiber Owner Kling's Auction Service

SALE EVERY TUESDAY

Graded Sale
1st Tuesday each month
2 P M
Horse Auction
2nd Saturday each month
1 P.M.

FAUQUIER LIVESTOCK EXCHANGE

Marshall, Va
703-364-1566

DEALER IN ALL KINDS OF LIVESTOCK

Also Crippled & Down Cattle

MARLIN S. IRWIN

Quarryville, PA
PH: 717-786-3016

PUBLIC AUCTION

ANTIQUE GUNS, CLOCKS, LANTERNS, FURNITURE, GLASS AND TIN WARE, BASEBALL CARDS AND COLLECTIBLES

MONDAY, JANUARY 2

11 a.m.

Location: Johnson's Auction, 406 E. Main St. Mt. Joy. (Rear of A&M News) on Route 230 off of Route 283.

GUNS: E. Remington 1864 military Bolling Block 44-40. Percussion Hawkins J Long 38 Caliber. Lancaster Henry, Orig. Flint altered to Percussion. Bedford Co. Long Kentucky, 60 Caliber Flint. Persian 1750 Flint Pistol, Fine Silver wire Inlay.

CLOCKS: 3 OG's Original. 3 Gingerbread Kitchen, 1 Regulator School. 5 Black Mantel (all in working condition)

LANTERNS: 5 R.R. Lanterns. Deitz, Colored Embossed, Barn, Brass Lantern dated 1883. Tin Folding Lantern (candle) Misc. Tin Lanterns and Aladdin.

FURNITURE: Armoire w/matching marble top dressing table and night stand. Maghogany Drop Leaf Table. Stand w/Drawers and Clothes tree, 6 sm. oak chairs, Maple Dry Sink, Wash Stand, Old English Dresser, oak chc. Pew w/reversable back.

GLASSWARE: Depression: Pink, Green, Cobalt, Crystal & Yellow. Misc. Pcs. & Patterns, Ice Bucket, Candy Dishes, Cream & Sugar Sets. Bowls, Plates, Vases. Also Heisey and Lots of Ruby Red. Planter Peanut Set, approx. 100 pcs. of Fine Glassware.

TINWARE: 3 rare 1 qt. milk cans. Tobacco humidifer. Pudding strainer measures (Graduated sizes) Pudding molds. Bisquet Tray. Old Tin Donkey Cigarette Dispenser, (mint condition) and many more tin items.

MISC. ITEMS: Stereoscope w/cards (68), Conestoga Wagon Jack, Cherry Seeder, Oxen Yoke, 5 Old Brass Hand Bells. Graduated Sleigh Bulls, Copper Glue Pot, Cow Bell. Marietta Pot, Daisy Butter Churn, 4-5 cent Bubble gum mach. and many more items too numerous to mention.

BASEBALL CARDS: Berra, Matthews & Aaron 1955 Bowman, Aaron "71&75", Rose "70-79 & many "80-83's. Other cards "80-83's. Topps, Fleer & Donruss, Carleton, Schmidt, G. Brett, R. Henderson, Yaztremski, Bench, Jackson, Carew, Lunn, & many others too numerous to mention. (Will be sold at approx. 4 p.m. after the antique sale)

Terms: Cash or travelers checks.
No out of state checks accepted.

Sale by:

AGENT FOR OWNERS

Auctioneer:
H. Edward Johnson
461 Donegal Springs Rd.
Mt. Joy, Pa. 17552
Phone (717) 653-9290

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APRIL

FRI APRIL 6 9 A M Public Sale of Farm Machinery at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland Pa Abe Diffenbach, Manager

SAT APR 7 Public Auction of Full Line of Farm Machinery plus Holstein Heifers Located at RD 1, Landisburg, Perry Co , PA Jay C Mc Coy, Owner Kling's Auction Service

TUES APR 10 7 30 PM Easter Lamb & Goats Located at Penns Valley Livestock Auction Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

THURS APR 12 - 10 AM Public Auction of Rabbits 11 AM Public Auction of Lamb and Goat Kids Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

FRI APRIL 13 7 P M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

SAT APR 21, 1984 18th Colonial Charolais Spring Sale Located at Frederick Fairgrounds, Frederick, MD Colonial Charolais Association Sponsors Garey Cattle Sales, Inc , 100 Walnut Lane, Morrisville, PA, Managers

FRI APR 20 6 30 PM Public Auction of Feeder Cattle and Feeder Pigs Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

FRI APR 27 - 6 PM Public Auction of 250-300 Head Heifers, all sizes, Springing, Bred and Open Heifers, some registered Located at the Belleville Livestock Market

FRI APR 27 1 30 PM Dairy & Heifer Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

SAT APR 28 10 AM Public Auction of Horses Located at Keister's Middleburg Auction Sales, Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

SAT APR 28 7 00 PM Club Lamb & Shoats Sale Located at Penns Valley Livestock Auction, Centre Hall PA Scott L Yocum and Ron Gilligan, Auctioneers

MAY

FRI MAY 4 - 7 P M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

FRI MAY 4 - 7 00 PM Feeder Cattle & Pig Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

FRI MAY 18 6 30 PM Public Auction of Feeder Cattle and Feeder Pigs Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister Owners Ray Long and Dave Imes Auctioneers

FRI MAY 25 7 00 PM Dairy Sale Located at Penns Valley Livestock Auction Centre Hall, PA Scott L Yocum and Ron Gilligan Auctioneers

SAT MAY 26 - 10 A M Grade Heifer Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

SAT MAY 26 - 11 AM Public Auction of Horses Located at Keister's Middleburg Auction Sales, Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

JUNE

FRI JUNE 15 - 6 30 PM Public Auction of Feeder Cattle and Feeder Pigs Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

FRI JUNE 22 7 00 PM Dairy Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

SAT JUNE 23 Colonial World Class Sale 2 Located at Adams Charolais Farm Springfield, OH Sponsored by Colonial Charolais Association Managed by Garey Cattle Sales, Inc 100 Walnut Lane, Morrisville, PA 19067

SAT JUNE 23 10 A M Registered Heifer Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New Holland, Pa Abe Diffenbach, Manager

SAT JUNE 30 11 AM Public Auction of Horses Located at Keister's Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

JULY

FRI JULY 6 ,7 P M Horse Sale at New Holland Sales Stables, Inc 12 miles east of Lancaster off Rt 23 in New HollandPa Abe Diffenbach, Manager

FRI JULY 27 - 7 00 PM Dairy Sale Located at Penns Valley Livestock Auction, Centre Hall, PA Scott L Yocum and Ron Gilligan, Auctioneers

AUG

FRI AUG 24 7 00 PM Dairy Sale Located at Penns Valley Livestock Auction Centre Hall, PA Scott L Yocum and Ron Gilligan Auctioneers

SEPT.

FRI SEPT 7 7 00 P M Holstein Promotional Sale at New Holland Sales Stables, Inc 12 miles East of Lancaster off Rt 23 in New Holland, PA Abe Diffenbach Manager

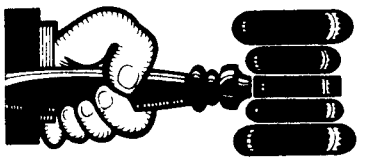
OCT.

SAT OCT 13 10 00 A M Annual Fall Heifer Sale at New Holland Sales Stable, Inc 12 miles East of Lancaster off Rt 23 in New Holland, PA Abe Diffenbach, Manager

WED OCT 31 - 12 Noon Annual Dairy Show and Sale at New Holland Sales Stables, Inc 12 miles East of Lancaster off Rt 23 in New Holland, PA Abe Diffenbach, Manager

NOVEMBER

FRI Nov 9 - 9 00 A M Public Sale of Farm Equipment at New Holland Sales Stable, Inc Located 12 miles East of Lancaster off Rt 23 in New Holland, PA Abe Diffenbach, Manager



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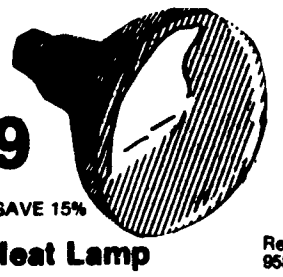

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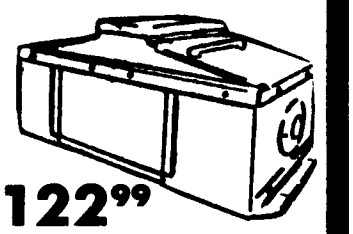

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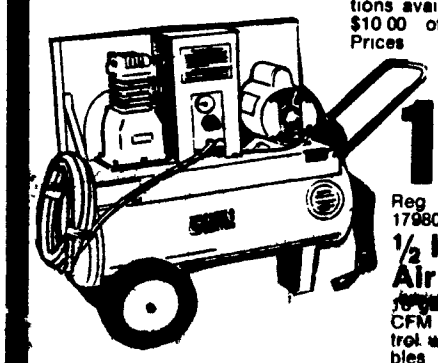

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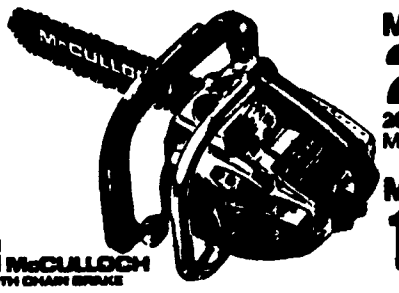

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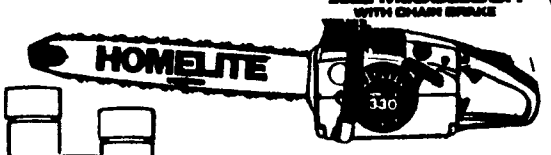

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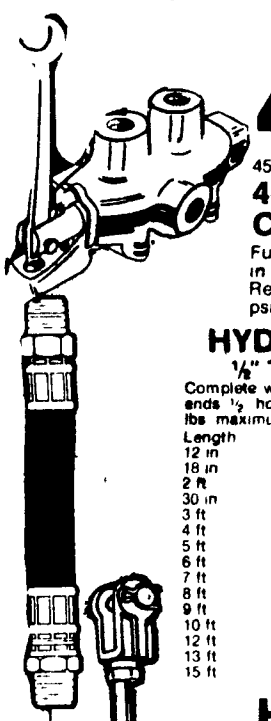

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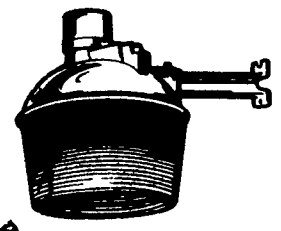

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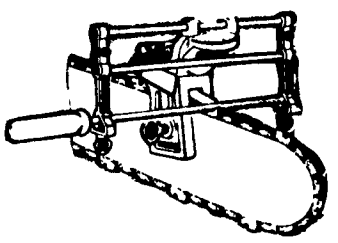

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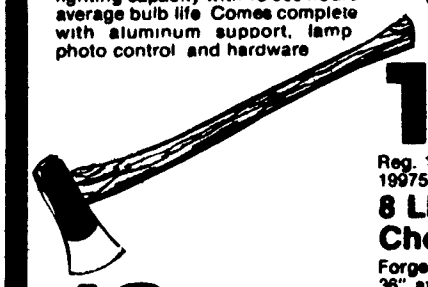

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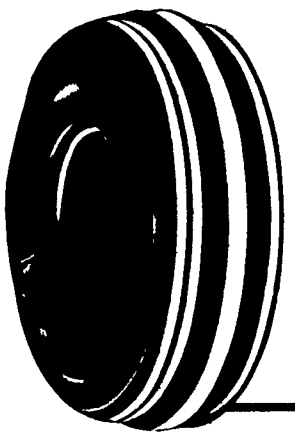

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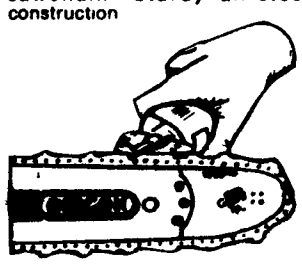

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Beef cattle conference set for Feb. 17, 18

UNIVERSITY PARK — "Beef Production from Conception through Consumer" will be the theme of the beef cattle conference to be held Feb. 17 and 18 at Penn State University.

The conference will convene at 9 a.m., Feb. 17 at the J. Orvis Keller Building on the campus and adjourn Feb. 18 at 4 p.m.

A variety of topics for both experienced and beginning cattlemen will include several out-of-state speakers. Featured will be Dr. Harlen Ritchie, professor of animal science at Michigan State University. He will present two topics, "Status of the Breeds and Where They Fit in Current Production Programs," and "Matching Crossbreeding Sytems with Resources."

Roy Wallace, director of beef cattle programs for Select Sires Inc., Plain City, Ohio, will discuss "Use of Performance Records and Sire Summaries for Herd and Breed Improvement."

Three types of merchandising will be featured. This will include a specialized, quality-based market such as the Angus Certified Beef Program to be discussed by Louis M. Colvin of West Samlem, Ohio. A large meat packing firm will be represented by Bob Summy and Kirt Smith of MOPAC, Souderton. A small "country" slaughterhouse specializing in freezer beef will be described by Norman Painter of Elkland.

"We chose this topic since farmers involved in commercial or purebred beef production are trying to find the best markets and want to adapt their type of cattle to those markets," said Dr. Lowell L. Wilson, conference chairman and professor of anima' ... at Penn State.

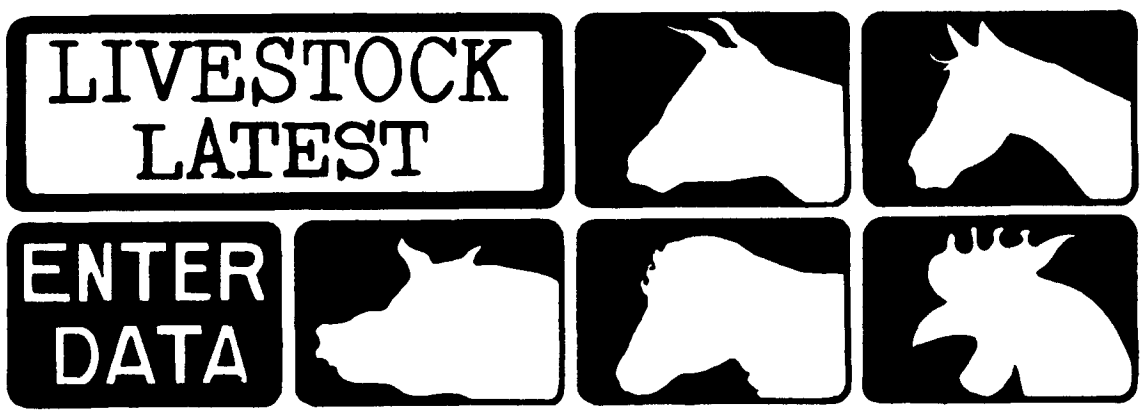
Pre-registration is advised for this beef cattle conference. Registration forms can be obrained from the Department of Dairy and Animal Science, 324 Henning Building, University Park, PA. 16802, or by calling 814-863-3667.

Four cattle breeders will discuss the use of performance records for herd improvement and merchandising. Included will be Roy Wallace of Select Sires Inc., Plain City, Ohio; Ray Bratton of McVeytown, Charolais breeder; Conrad Grove of Devereaux-Soleil Farm, Downingtown; and James Cairns of Stornoway Farms, Ligonier.

Another producer panel will address the topic, "My Cattle Operation - Methods, Problems, Changes and Opportunities." This Pennsylvania group will include Ralph Dotterer of Mill Hall, J. Paul Espy of Warriors Mark, Paul Heffner of Fairfield, and others.

"The Cattle Outlook in the Northeast" will feature H. Louis Moore, Penn State agricultural economist. Dr. Tom Drake and Dr. Clair ENgle of Penn State will discuss "Cattle Health and Management Calendars." Dr. Lowell Wilson will present an "Animal-Pasture Management Systems Update." Dr. William Henning of Penn State will discuss "Carcass Evaluation."

The Pa. Cattlemen's Association will hold its annual banquet on Friday evening, Feb. 17, at the Boalsburg Firehall. A breakfast for registrants will be held Feb. 18 at the South Ridge Best Western Motel, courtesy of International Minerals Corp., Terre Haute, IN.



CSU animal scientist says cattle producers must set goals

FORT COLLINS, Co. — The cattle industry and individual cattle producers must take a long, hard look at their attitudes toward change and must set some tough but realistic goals for the future, according to Bob Taylor.

Taylor said that for too long, "We in the cattle industry have been too reactionary. We have not planned enough."

The Colorado State University animal scientist told nearly 300 producers and other animal scientists attending the recent Range Beef Cow Symposium VIII that individual goals should fit individual operations, but also must be consistent with beef industry goals.

He proposed that the industry adopt as a goal: "to produce a high proportion of highly palatable red meat (per animal) as efficiently as possible and, with a profitable return to all who produce it."

Cattle producers also must set production efficiency goals and market price goals.

Taylor said, "Those goals should be measurable, short-range and long-range. There needs to be a time line, a plan of action and an evaluation plan. It needs to be continual, and it must be written.

"Written goals and objective evaluations allow producers to measure improvement progress and the priorities needed in making critical management decisions."

Taylor said producers can determine realistic goals by asking themselves what they want their cattle to do for them and what their cattle are doing for them — the current level of productivity and profitability.

He said five classifications of traits should be considered in the goal-setting process: reproduction, growth, carcass, conformation and longevity, and genetic defects.

Taylor assigned each classification a comparative economic importance rating and proposed beef industry goals. That information he compiled in a table. "Consideration for trait selection in the goal-setting process."

Reproduction traits have a high economic importance. Beef industry goals, applicable to many operations that Taylor proposed, are a 95 percent calf crop weaned, a calving interval of 365 days or less, and a calving season of 90 days or less.

Goals for growth include a 205-day weight of 500 pounds of more, a feedlot gain of 3.0 pounds per day or more, a 365-day weight of 1,000 pounds for steers, and a feed efficiency of 6.0 pounds or less gain (high energy).

A low Choice quality grade, a 2.0 yield grade, a .80-pound lean yield per day, and a 600- to 800-pound preferred carcass weight are the desired carcass traits on Taylor's table.

A productive animal should be put into an attractive package, Taylor said. Conformation and longevity goals for a slaughter steer include a frame size of 4.5 to 6.0 or a hip height of 48 to 51 inches at 365 days. Soundness is vital for the skeleton, udders and eyes, he reminded.

Taylor said it is also economically important that an animal have no inherited abnormalities or have an extremely low incidence of them.

Taylor cited statistics on a slaughtered steer that met all of these qualifications, then said that the steer had been slaughtered more than 20 years ago.

He said, "We've had the technology for efficient cattle production for at least 30 years. But in the past 15 to 20 years, not all segments of the cattle industry have made a profit.

"Raising cattle is only half the job; marketing is the other half."

He said that producers should have goals that relate not only to price per pound but to total dollars received on a per-animal basis.

"It should be obvious that cattle producers can improve their efficiency of production almost to its ultimate and still not realize a profit. The price received for the product simply does not cover production costs," Taylor said.

He quoted Dub Berry, National Cattlemen's Association executive, who said, "Cattlemen must become businessmen dealing in cattle rather than cattlemen only occasionally dealing in business."

Many products, such as trucks, tractors and other equipment, Taylor said, are marketed to beef producers at prices they cannot pass on through the price of the beef they produce.

"Beef producers are consistently out-marketed by those who sell them products and will continue to be so if producers remain independent and unwilling to organize and work for the good of the entire beef industry," Taylor said.

"Change is inevitable. Today's producers must learn to manage change if they are going to be successful — and in some cases, even if they are going to stay in the industry."

Livestock Ledger

By

Chester D. Hughes

Extension Livestock Specialist

The year 1983 has come to an end. You can tell by the mail you've received over the past two or three weeks. First, all of the holiday advertisements creep into the mailbox, then the Christmas cards and finally the federal tax returns! For many, this is a dreaded event; the arrival of the federal tax return. Of course if your farm records aren't up to snuff, then I can understand the deep concern.

But for those who have done their day by day record-keeping chores, filling out the tax return is a much simpler task. The crazy thing, however, is that each year certain tax laws are changed and rearranged, some of these being beneficial, while others may be to your disadvantage. Some recent changes to the tax law and other items that may affect your taxes this year are as follows.

For 1983 and later years the regular investment credit is limited to the amount of income tax shown on your return or to $25,000 plus 85 percent of the amount of tax over $25,000, whichever is less. Secondly, you can choose to deduct up to $5,000 of the cost of certain business assets you bought during 1983. This amount increases to $7,500 in 1984. Next, for the 1983 crop year, if you receive a commodity under the PIK program, that commodity will be treated as if you produced it. Your basis in the commodity will be zero. You will not have income from the commodity until you sell or otherwise dispose of it.

Finally, the third stage of the 3-year reduction in tax rates has gone into effect and these reductions are already figures into the Tax Table and the Tax Rate Schedules. For further information on preparing 1983 farm returns you may obtain a Farmer's Tax Guide from your County Extension Office.

Now that we are kicking off a New Year, you might want to beef up your record keeping system. Now is the time to revise your bookkeeping methods and accounting habits. A farmer, like other taxpayers, must keep records to prepare an accurate income tax return, and be sure only the tax owed is paid.

Items such as cancelled checks and paid bills that support entries in your books, should be filed in an orderly manner and stored in a safe place. Good records can save you money. They are needed for efficient farm management and useful in preparing credit applications as well as federal income tax returns. Farm account record books are available from your County Extension Office to aid you in keeping better records in 1984.

Beef prices low, good time to stock up

STATE COLLEGE — Beef prices are the lowest since last February according to National retail counter surveys. "This would be a good time for consumers to stock-up on beef by filling their freezers or by enjoying more beef as special meals," advised J. Paul Espy, President, Pennsylvania Beef Council.

There are several reasons for low beef prices at this time — ranging from high grain prices, which increase the cost of feeding cattle, to the low profitability of both beef and dairy production resulting in more cattle from beef and dairy herds going to slaughter.

According to the national survey, ground beef and other less expensive cuts are particularly good buys. All beef cuts are priced less than they have been for several months, and probably less than beef prices will be for several years.

The large amount of beef available at this time, and the reluctance of cattle feeders to buy young cattle and feed them expensive grain, will reduce the supply of beef over the next year, and possibly longer, according to Espy. Pennsylvania is fortunate in having a large number of packing and processing plants which can provide fresh beef in almost unlimited quantities.

In addition, there are large packers which provide a continuous supply of beef for the retail markets in the state, so that supplies of quality beef are continuously available.

Another recent development in the beef industry has been the availability of more different recipes and preparation suggestions from the National and State Beef Councils and the Pennsylvania Meat Marketing Program. Additional information on recipes and new ways of cooking beef are available from the Pennsylvania Beef Council, 862 Webster Drive, State College, PA 16801 or the Pennsylvania Meat Marketing Program, Pennsylvania Department of Agriculture, 2301 North Cameron Street, Harrisburg, PA 17110.

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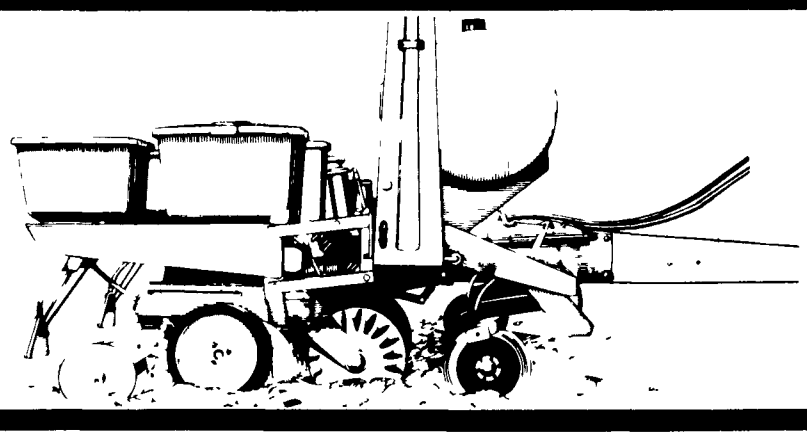

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*Availability of John Deere financing and leasing plans subject to approval of credit. Leases not eligible for cash rebates or for cash in lieu of waiver. This offer may be reduced in value or withdrawn at any time.

Model	Cash Rebate On Purchase	Cash Rebate In Lieu of Waiver Jan. '84
7000 Front-Folding		
24-row N	$7,500	$750
18-row N	5,500	550
16-row N	4,500	500
12-row W	3,300	425
12-row N	2,600	350
8-row W	2,200	300
7000 Drawn		
12-row N	2,000	275
8-row W	1,000	175
8-row N	1,200	175
6-row W	1,100	150
6-row N	1,000	125
4-row W	700	100
4-row N	700	100
7000 Conservation		
8-row N	1,300	200
6-row N	1,200	150
4-row	800	100
7100 Integral		
12-row N	1,600	200
12-row N-fold	2,000	225
8-row W-fold	1,200	150
8-row N	1,000	125
8-row W	1,000	125
6-row W	700	100
6-row N	700	100
4-row W	500	75
7100 Integral Soybean		
12-row N	1,600	200
10-row N	1,400	200
8-row N	1,000	150

N = Narrow W = Wide

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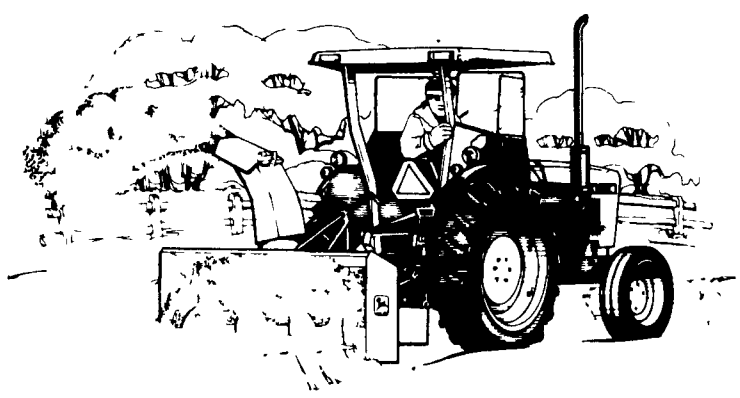

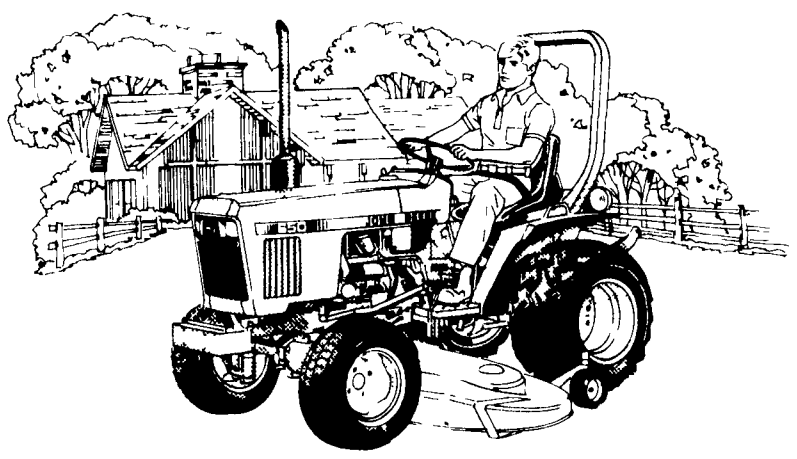

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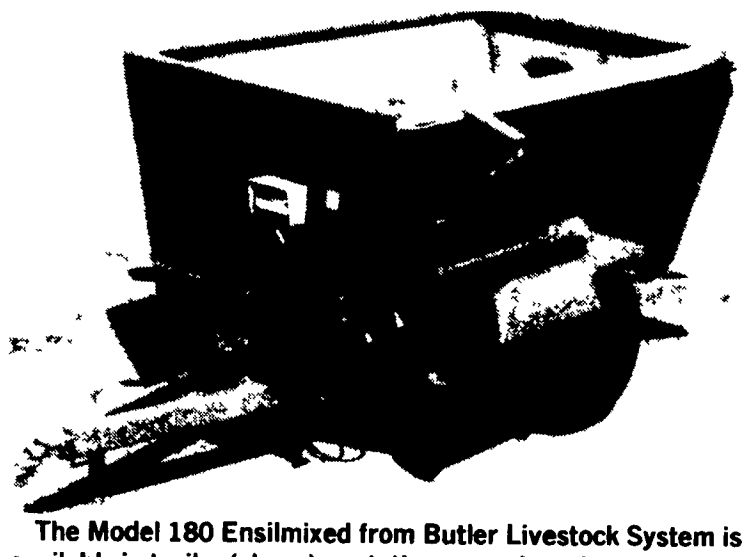


The Model 180 Ensilmixed from Butler Livestock System is available in trailer (above) or stationary and truck models.

Butler adds ensilmixer

FORK ATKINSON, Wisc. — Butler Livestock Systems, Division of Butler Manufacturing Company, has added a small to medium capacity mixer to its line of TMR (Total Mixed Ration) Ensilmixers. It is designed for ration management of smaller dairy and open lot feeding systems.

The Model 180 Ensilmixer is available in trailer, stationary and truck models. Important standard operating features of the new unit include a unique new design — proven so effective on larger models in the Butler line — consisting of a combination of square top augers and new Tuff-Glide side liners. In addition to requiring less horsepower to operate, the design improves the mixing action. Square auger corners grasp the ration for thorough mixing and the self-lubricating Tuff-Glide side surfaces enable the feed material to flow freely without material hang up. The Model 180 is also equipped with the Butler OMP-10 scale, an advanced programmed control center that simplifies exact feeding formulations. A more sophisticated scale system, the Butler OMP-20 electronic scale system is also available as an optional feature.

Maintenance ease complements operational efficiency on the new Model 180. An easily accessible external shear pin assembly was designed to eliminate nuisance fatigue shearing problems — and if there is a shearing problem, the shear pins are easy to replace with no need to get inside the oil bath drive. Another important maintenance feature is external bank greasing. This conveniently located grouping allows easy greasing of all rear drive and auger bearings from a single location resulting in longer component life and lower maintenance costs.

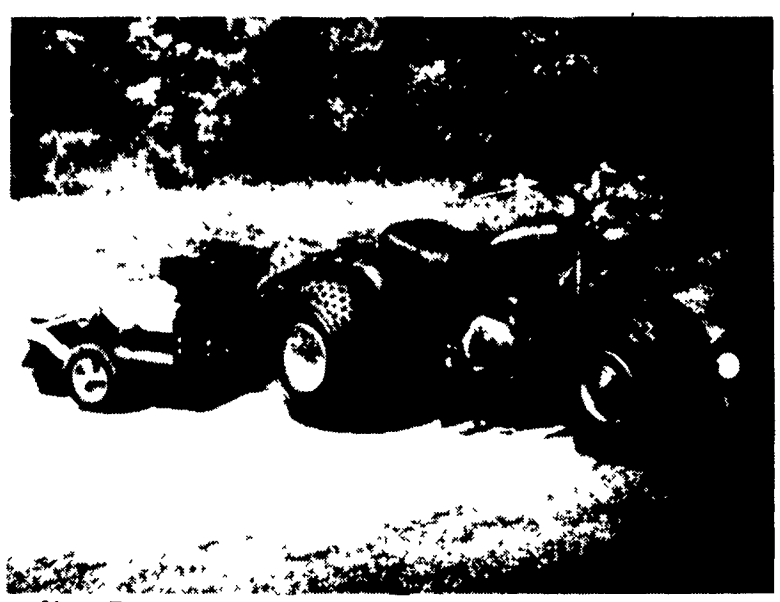
The new Model 180 Ensilmixer is the latest addition to a comprehensive Butler line of livestock feeding and manure systems that include feed mixers, electronic scale systems, silage distributor/unloaders, barn equipment, feeders, and manure handling and storage systems.

Bush Hog mower debuts

SELMA, Ala. — Bush Hog, Selma, Ala. has recently announced the development of the GT42 Mower. This 42" mower, powered by either an 8HP Briggs & Stratton or 11 HP Honda engine, is designed to be pulled by either a small garden tractor or an All Terrain Vehicle.

Its cutting capacity is grass through ½" brush with cutting height adjustable from 1" to 6". It features V belt drive through a centrifugal clutch. Wheels are 3"x12" solid with 13.5-6 high flotation tires optional. A safety kill switch is included.

Bush Hog products are available through authorized Bush Hog dealers.



New Bush Hog mower can be pulled by an All-Terrain vehicle.

MF introduces new grain drills

DES MOINES, Ia — The trend toward narrower row spacings in soybeans and the continuing practice of planting hay crops with a small grain nurse crop has created a need for updated grain drills.

Massey-Ferguson has met this need with a new generation of grain drills. They are the MF 424 end wheel drill, the MF 425 press drill and the MF 426 hoe drill.

424 End Wheel Drill

The MF 424 end wheel drill is available in 10, 12 and 14-foot seeding width single units with staggered, double disc openers on six or seven-inch spacings for good trash clearance or with in-line single disc openers on seven-inch spacing.

Special 10-foot right and left hand units adapt to multiple hitching for 20, 30 and 40-foot seeding widths, providing a wide, flexible machine for big acreage users. These multiple-hitched combinations provide economical, productive and wide-working machines with precision seed placement not attained with air seeders.

The drop-out fertilizer hopper bottom on the MF 424 makes clean-out easier and gives it a longer life. The fluted nylon fertilizer metering wheel combines accurate, uniform distribution with corrosion resistance for long, trouble-free life.

The double disc inside scrapers are spring-loaded, self-adjusting and heat-treated for long-life and skid-free disc rotation. The 13-inch diameter double discs, mounted on sealed, greased-for-life ball bearings, provide good trash penetration for uniform seeding depth.

425 Press Drill

The new MF 425 press drill is available in 8, 10, 12 and 14-foot single units, and is equipped with staggered double disc openers on six-inch row spacings for good trash clearance.

The drill comes with a choice of press wheels. A 20 x 2-inch all steel presswheel with round face is available for normal fields or a 20 x 2.5-inch presswheel with semi-pneumatic rubber tires is available for sticky, wet soils.

Triple-lip sealed ball bearings support the 1 1/8 inch square steel presswheel axle to give a strong, positively rotating axle without need for daily lubrication. Presswheel rock guards reduce downtime and prevent damage to wheel supports.

Multiple drill hitch equipment allows hook-up of two, three or four drills to match tractors and provide efficient operation. Hydraulic transport attachments permit safe endwise transport of multiple drill units.

426 Hoe Drills

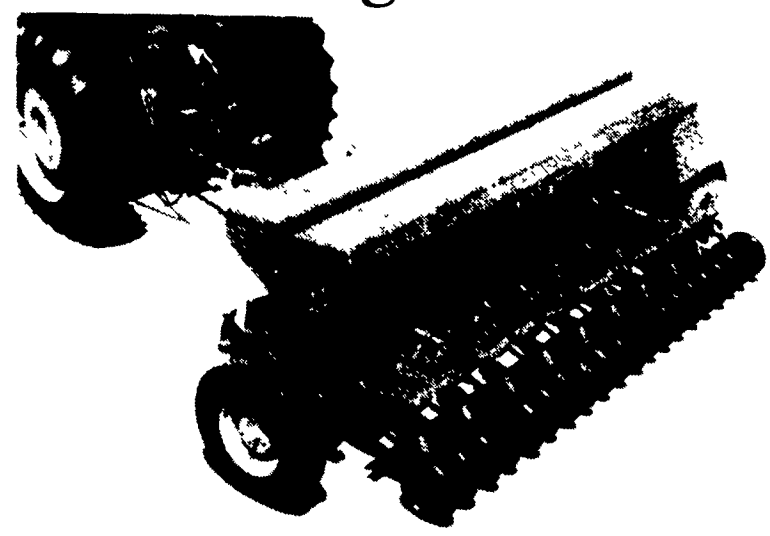
Like the MF 425, the new MF 426 hoe drill is available in 8, 10, 12 and 14-foot wide single units.

Hoe supports are mounted in three ranks at 7, 9, 10 or 12-inch spacings and may be fitted with a choice of three or five-inch shovels, 1-inch spearpoints or special Accra-plant openers. The three-rank mounting provides for maximum trash clearance.

Three presswheel options are available to meet field and operator requirements. Presswheel options include a 20 x 3-inch all steel wheel with V face, a 20 x 2.5-inch steel wheel with semi-pneumatic rubber tire, and a 4 x 12-inch fully pneumatic tire.

Galvanized steel ribbon seed conductors minimize skips due to plugged seed tubes.

The MF 426 also has multiple hitch equipment for simultaneous operation of two, three or four drills. Hydraulic transport attachments are also available for endwise transport.



The 424 End Wheel Drill from Massey Ferguson is available in 10, 12 or 14-foot seeding width single units.

MGS 'Mother Goose' train in Mummer's Parade

DENVER — A prize-winning float built and manned by MGS Trailers, Inc., R3 Denver, Lancaster County, will compete in Philadelphia's famous Mummer's Parade on New Year's day, according to Roland Gehman president of MGS.

"Our Mother Goose train, built on eight of our company's standard utility trailers, won 12 consecutive first prizes in Harvest and Halloween parades in Lancaster and Chester Counties," Gehman said. "Someone connected with the Mummers saw us and extended the invitation."

The MGS Mother Goose train has become a traditional entry in South Central Pennsylvania parades. Now in its fifth year of competition, redesigned and refurbished annually, the train is manned by 25 MGS employees and friends depicting Mother Goose story characters. It has consistently won first or second prizes since its origination.

"It started as a fun thing," Gehman notes, "but the current train represents an investment of about $30,000."

The decorative figures on the train are constructed of welded steel frames covered with burlap, and painted. All pieces were handmade in the MGS factory at Denver. The overall length of the train and its tractor locomotive is 125 feet.

The Denver factory produces about 1,000 utility trailers a year, Gehman reports, including a variety of trailers in special designs for unusual applications.

"Specially equipped MGS trailers are hauling uranium inside a manufacturing plant, laying electrical cable in Arabia, and carrying power generators for communications systems in a South American jungle," the manufacturer notes.

The Uranium trailer, constructed of heavy steel, features a hydraulic system for careful balance, and includes a perch for an armed guard to ride. The cable-laying trailer is built with extra-large wheels for desert travel, and 29 trailers built for use in South America jungles included space to haul an all-terrain motorcycle for the communication system's operator.

Equally unusual are trailers designed to haul turkeys from the turkey farm to the processing plant. These include an air system to lower the entire trailer for easy loading of about 500 turkeys per load.

"We make about 150 motorcycle styles of trailers, to haul motorcycles, snowmobiles, plumbers equipment, farm produce, cars, and just about anything you can imagine. But we still have to design and build special ones for special jobs every month of the year," Gehman said.

The parade trailers, he said, are standard designs, even though they haul a special cargo including an old woman in a shoe, Mother Goose, a pumpkin eater, a cat and a fiddle, three men in a tub, Little Boy Blue, and Humpty Dumpty.

New round baler cited

NEW HOLLAND — A new large round baler from Sperry New Holland reduces potential hay weathering loss. Measuring 7½ feet wide by 5½ feet diameter, the 2,300 pound bales produced by the new Model 858 have proportionately less exposed surface area in relation to the volume of hay in the bale. The larger bales are also an advantage where hay is moved by truck because the truck or trailer floor space is used more efficiently.

With a capacity of up to 18 tons per hour, the new Model 858 is factory equipped with an Auto-Wrap twine system, a reverse drive bale kicker, bale counter, chain oiler and a full-bale alarm.

Like the (5½x5½) Model 855, the "858" uses a roll floor and chain type rolling system. An air spring maintains density control. A 97-inch Super Sweep pickup and 1000 RPM PTO are standard.

The new round baler from New Holland makes larger bales with less exposed surface in relation to amount of hay they contain.

Six employees of Atlantic Breeding Cooperative honored for service include, from the left, Jacob Brin, Gary Heckman, Alan Henry, David Zimmerman, Ronald Martin and Nicholas Brin.

Atlantic honors 6

LANCASTER — Atlantic Breeders Cooperative recently recognized six area men for their records of service to the Cooperative's farmer-members.

Robert McDowell of Atglen was presented the 100,000 Cow Club Award for achieving this high level of first-service sales. McDowell, an employee of the Cooperative for 34 years, is the Professional Sales Technician for Unit 19 which covers a portion of Southeastern Lancaster County.

Ronald Martin of Willow Street and Nicholas Brin of Drumore received the 10,000 Cow Club Award. Martin, employed by Atlantic for four years, is the Professional Sales Technician in the West Central part of Lancaster County. Also employed for four years, Brin covers Unit 14, the Southern portion of the county.

Alan Henry of Denver was recognized for completing 15 years of employment with the Cooperative. Henry is the supervisor for Atlantic's Area One which covers eight Southeastern Pennsylvania counties and the state of Delaware.

David Zimmerman of New Holland was presented an award for completing 10 years of service to the Atlantic members. Zimmerman is the supervisor for Area Six which covers all of Lancaster County.

Jacob Brin of Quarryville received recognition for completing five years of employment with Atlantic. Brin, who has had 12,850 first-service sales, is the Professional Sales Technician Coordinator for Units 14, 19 and 20. This unit includes most of Southern Lancaster County.

Gary Heckman, Director of Member Sales, presented the awards at a banquet held Dec. 13 for employees and directors.

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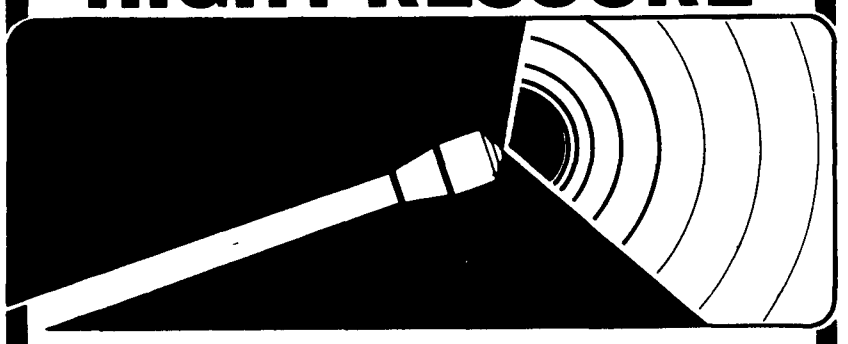

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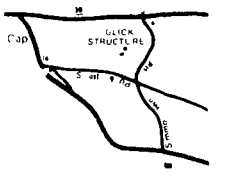

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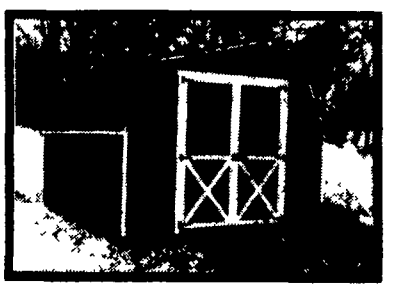

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8x10	$445	10x16	$690	12x24	$1090
8x12	$480	12x14	$750	12x28	$1270
8x14	$520	12x16	$810	14x24	$1545
				14x28	$1895

Sale Reports

A Farm Auction of Holsteins and farm machinery was held December 17 by Mr. and Mrs. Raymond Bennett, 1 mile east of Hop Botto, and U.S. Rt. 11 in Susquehanna Co., Pa.

Some prices were: Surge 300 gal. bulk tank 1425, Gehl forage wagon $1900, Case 430 tractor $1700, Patz 150' barn cleaner $410, hay wagon $450, Case 13 grain drill $250, Case VAC tractor $540, set of bobs $100, 1976 pickup truck $1725, Surge milkers $47.50 each, whiskey jug $75 and milk cans $8 each.

The top grade Holstein cow and calf sold for $852.50 and the second high brought $800.

M.L. Bunnell was the auctioneer.

XXX

A Public Auction of a 21 acre farmette was held December 19 by Allen S. and Mary H. Nolt, north of Ephrata near the village of Schoeneck on Hillside Rd.

The property in West Cocalico Township, Lancaster County was sold for $137,000 to Lester Martin, R.D. 1, Stevens, Pa.

Auctioneers were John E. and Paul E. Martin.

XXX

A Public Auction of farm equipment was held December 19 by Mr. and Mrs. James Wooters Jr., 5 miles east of Denton, Md. on Route 404.

Some prices received were: J.D. Funnel wagon $500, 4-row cornplanter $5700, J.D. chisel plow $2125, Kraus 21' disc $5800, Brillion 23' cultipacker $3800, J.D. 4630 tractor $19,000, J.D. 6600 combine $15,750, corn head $950, J.D. 4020 D tractor $7400, and 1974 GMC 6500 dump body $11,250.

Auctioneers were A. Curtis Andrew and Mike Roe.

Feed cart introduced

CHURCHTOWN — Weaverline Corp., Churchtown, has introduced the Series IV feed transport cart featuring hydrostatic drive. One-hand, fingertip control provides full range of operating speeds without the need to shift gears. Responsive dynamic braking power enables cart to slow down, stop, or even change direction on ramps and inclines.

Series IV carts also feature newly-developed and field-tested extended-life electric vehicle batteries– Exide EV III. And four-unit battery pack is chargeable from any 110-volt outlet.

New discharge door keeps silage in cart during loading and transporting, flips open instantly to discharge feed. Redesigned dashboard with voltmeter and hourmeter makes it easier to schedule regular battery care.

Built to stand up to years of heavy loads, Weaverline carts are constructed with extra-heavy steel parts. Tricycle running gear (two wheels forward, one rear) offers stability and maneuverability. Weaverline carts are available in three sizes: 30, 24 and compact 20 bushel capacity.

The new Weaverline feed cart features hydrostatic drive.

Deere offers bonus plan

LANCASTER — John Deere dealerships are participating in a 3-part plan devised by the company reduce stocks of snowmobiles and clothing that have been accumulating due to poor economic conditions and a lack of snowfall the past three years.

The plan includes large discounts on all five models in the John Deere snowmobile line, an interest-free payment period, and up to $400 in free clothing and accessories. The plan will be in effect through January 31, 1984.

After making a normal down payment, the customer can take up to 24 months to pay — interest free in the plan.

A clothing and accessories bonus coupon is given to each snowmobile purchaser under the new plan. The size of the coupon depends on the model purchased, ranging from a low of $250 for a Snowfire to a high of $400 for a Liquifire. The bonus coupon can be redeemed for free John Deere clothing, accessories, and snowmobile accessories.

Allied acquires Kewanee

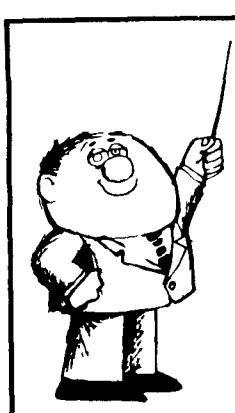
KEWANEE, Il. — Kewanee Products, Kewanee, IL, has recently been acquired by Allied Products Corp., Chicago, IL. It will be operated as Kewanee Farm Equipment Company, Division of Allied Products.

Kewanee has been manufacturing quality farm equipment since 1914. The product line today includes disc harrows, both tandem and offset, packers, packer mulchers, augers, elevators, and loaders as well as field and row crop cultivators.

These products will be sold directly to authorized Kewanee dealers. Bob Weaver, 63 Ladnor Lane, Carlisle, has been designated as local Representative in Pennsylvania and New Jersey.

Octoraro signed into Scenic River system

The signing of the Octoraro Creek Bill into law by Governor Thornburgh places the waterway into the Pennsylvania Scenic Rivers System. Flanking the Governor and seated at the table are Noah Wenger, left, State Senator from the 36th District of Lancaster and Chester counties; and Rep. Art Hershey, of Chester County.



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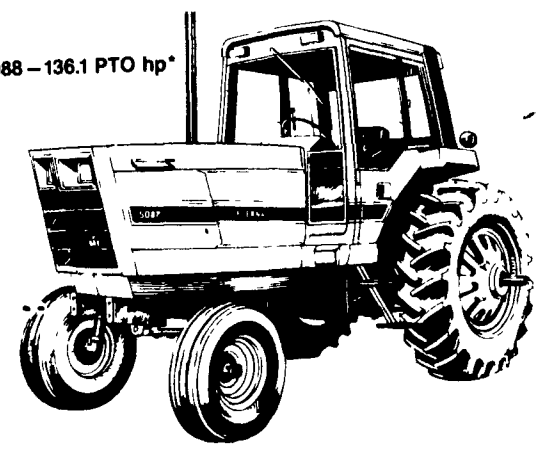


WHITE TAG SPECIALS listed below

Prices Slashed For Year End Clearance
On New Equipment

5088D Tractor
3288D Tractor
1190 Mower
800 SOLD er
435-T Baler
720 Plow
370 Disk
Call for Prices

MANOR EQUIPMENT, INC.
Wheatfield Road R.D. 8, Sinking Spring, Pa.
DIRECTIONS:
2 Miles South of Shillington, ½ Mile Off Route 222
PHONE: 678-0828

Case tractors feature electronics

RACINE, Wisc. — Sophisticated electronics on the new J I Case 94 Series agricultural tractors provide monitoring of critical functions and accurate field performance data.

The new electronic digital instrumentation cluster – the only one of its kind now available in the industry as a standard feature – is featured on Case 94 Series over-100 hp agricultural tractors.

The digital instrumentation cluster allows an operator to precisely measure tractor performance, including engine rpm, PTO speed, ground speed, area worked per hour and total area worked. With an optional true ground speed sensor, the percentage of wheel slippage can be accurately and constantly measured. Using this information, farmers can control the application of field chemicals or plant population more precisely. Monitoring percentage of wheel slippage helps an operator better determine distribution of tractor ballast for increased field efficiency.

Thirteen different indicators visually and audibly monitor operating functions such as engine oil pressure and temperature, transmission oil pressure and temperature, exhaust gas temperature, coolant temperature and level, alternator voltage and fuel level. An inexpensive option provides for automatic engine shutdown when malfunctions of vital systems approach the critical stage.

Electronic Functions

Case engineers consider the ability to determine ground speed the single most important function of the new 94 Series electronics.

Ground speed can be measured several ways through use of the advanced electronics. The most accurate measurement is provided by an electronic "true ground speed sensor." Where other methods measure ground speed with a limited degree of accuracy, the sensor option allows a farmer to virtually pinpoint true ground speed and the electronics calculates percentage of wheel slippage.

Slippage in excess of 15 percent can have an adverse impact on operating costs in all applications, but especially when applying soil chemicals or seed.

The sensor measures the forward travel speed – regardless of wheel slippage or soil conditions. This allows an operator to run the tractor at the optimum percentage of wheel slip, usually between 10 to 15 percent. Operating at lower or greater slippage percentages can cause premature and unnecessary wear on tires and transmission, as well as increase fuel consumption.

Some other key functions include:

Engine rpm

Engine rpm (revolutions per minute) is monitored at all times, even when an operator selects another function for display. If engine rpm equals or exceeds the warning value, the display automatically changes to show engine rpm, flashing on and off as a warning to reduce engine speed.

Area & Hour

By programming tire size and attachment width, it is possible to obtain an accurate measurement of the rate per hour of area worked.

Area Done

This function measures the accumulation of acres covered during a given time period. The reading can be reset at any time, or it may continuously accumulate area covered over a period of days and weeks. This data is retained in the memory, even when the tractor is turned off.

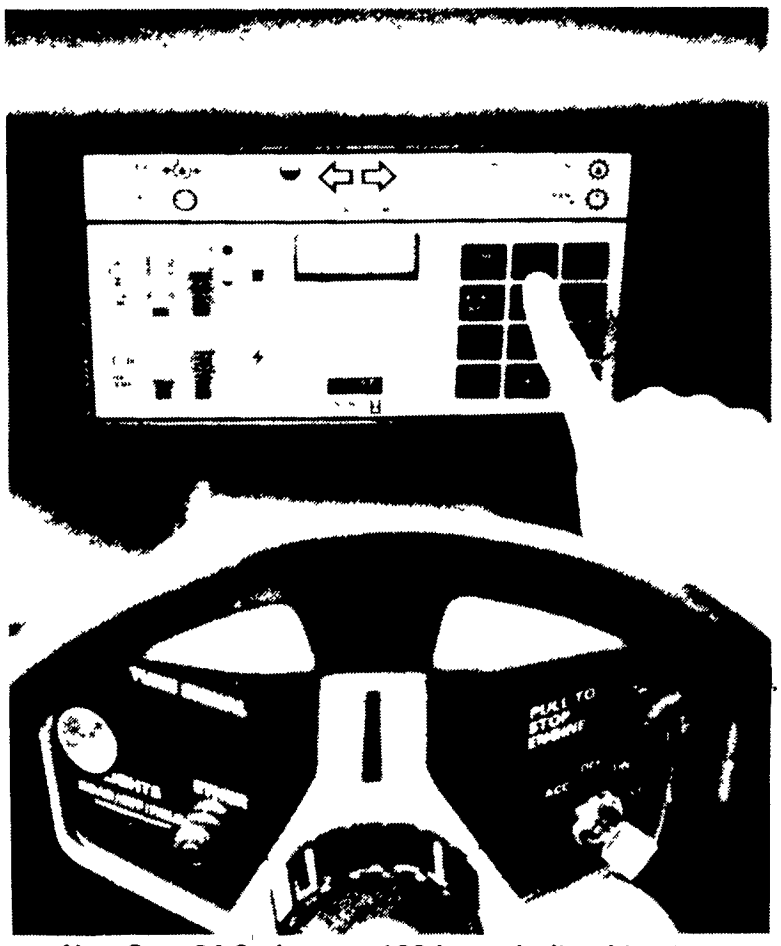
Timer

The timer function button is used for a variety of purposes, from calculating ground speed, to measuring time required to cover an acre.

Cluster Design

The digital information cluster is designed for easy, fingertip prrogramming. Located directly in front of the steering column, an operator can conveniently gather information.

Bar graphs allow instant operator evaluation of coolant and exhaust temperatures, voltage level and remaining fuel level.



New Case 94 Series over-100 hp agricultural tractors are equipped with a sophisticated digital instrumentation cluster as a standard feature. The cluster allows an operator to precisely measure engine rpm, PTO speed, ground speed and other performance functions. Thirteen different indicators monitor critical operating functions and provide visual and audible warnings in case of malfunction.

AC promotes Bueche

MILWAUKEE, Wis. — David C. Scott, chairman of the board and chief executive officer of Allis-Chalmers Corporation, has announced the election by the board of directors of Wendell F. Bueche, the Company's president, as chief executive officer, effective Jan. 1.

Bueche, 53, has been president and chief operating officer since January 1981. As chief executive officer, he will succeed Scott, 68, who will continue as chairman of the board through Dec., 1985.

In commenting on Bueche's election, Scott said, "Wendell Bueche, as president, has shown exceptional ability and leadership skills in guiding Allis-Chalmers operations through the most difficult period in the Company's recent history. We are fortunate to have had him within our organization."

Wendell Bueche

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IMPORTANT NOTICE
to all farmers and business owners

A new, unpopular, and little publicized law went into effect for 1983 that makes more paperwork for you (or your bookkeeper).
You will be required to give a form 1099 no later than Jan. 31, 1984 to everyone whom you paid certain business payments to in the calendar year 1983.

The penalty is $100.00 for each one you miss, up to $100,000.00 total. If you intentionally ignore this law, the penalty is at least 10% of the amount you should have reported, with no limit!

EXAMPLES which require the form 1099 are: Rents Interest Commissions Custom Operators such as spraying, tillage, planting, harvesting, feed grinding and barn spraying. Sub-Contractors, such as plumbers, carpenters, electricians, excavators. Repair work such as garage, machine shops, welding shops. Payments for services such as accountants, attorneys, veterinarians

EXAMPLES where the form 1099 is not required: Payments to a corporation. Interest paid to Banks etc. Those who you paid less then $600.00 in 1983. Materials Purchased including feed, fertililzer, livestock, equipment, etc. Any expenses for personal purposes such as doctor, personal car or house.

This is a guideline for information only. If help is required, a competent professional should be sought.

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Advertisement

REAL ESTATE

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103 cow free stall barn, Surge double 4 milking parlor, Dari-Kool 13,000 pound bulk milk tank, 20x70 poured concrete Star silo with new unloader and bunk feeder, 47 acres, implement shed, 2½ story farm house, Bethel Township, Lebanon County, Penna.

Price $190,000

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REAL ESTATE

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LEBANON COUNTY, PENNSYLVANIA

91 Acre dairy farm R D #2 Annville 2½ story vinyl sided farmhouse bank barn with 31 stalls, 20x20 tile milkhouse, 30x40 steel building, implement shed 3 car block garage a long macadam lane,, private setting about a mile of road frontage, pond, $230 000 call Nelson Ebersole 717-867 4487

61 ACRE dairy farm, Swatara Township, Lebanon Co Dairy barn with 30 comfort stalls, universal glass pipeline system, 700 gallon bulk milk tank, Patz gutter cleaner, two 16x60 concrete stave silos 40x80 and 28x56 cattle buildings which house a 70 foot automatic bunk feeder, 40x50 implement building 2½ story farmhouse PRICE $180 000 TERMS $45,000 down the seller will finance the balance at 10% for 15 years monthly payment $1451 25 Call Nelson Ebersole 717-867-4487

47 Acre dairy farm, 103 cow free stall barn, Surge double 4 milking parlor, Dari-Kool 13,000 lb bulk milk tank, 20x70 star poured concrete silo with new top unloader, automatic bunk feeder, 2½ story farmhouse, 36x60 concrete block implement shed, BETHEL TWP, Lebanon Co PRICE $190,000 TERMS $95,000 down owner will finance the balance at 10% for 20 years monthly payment $917 70 Call Nelson Ebersole 717 867 4487

130 Acre dairy farm Schaefferstown, Lebanon Co , 115 foot long 70 cow tie stall barn 800 gallon bulk milk tank two 20x60 silos, highly productive limestone soil, large 19th century limestone farmhouse Price $595,000 TERMS $155 000 down, seller will finance the balance at 10% for 20 years, monthly payment $4250 40 Call Lee Reddinger 717-949-2243

30 acre hog farm, complete farrow to finish operation, 28x72 farrowing house, 30x80 bank barn, tobacco barn, various other buildings, 4 bedroom 2½ story farmhouse, South Lebanon Twp , Lebanon Co , Rich high producing limestone soil Price $165,000 Call Lee Reddinger 717-949-2243

10 acres and a tobacco barn, Jackson Twp Lebanon Co Rich limestone soil owner reports 170 bushels of corn per acre last year Located along Rt 422 just west of Myerstown, Price $65,000 Call Lee Reddinger 717 949-2243

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Time to check erosion

GETTYSBURG — "Right now is the best time for farmers to walk over their fields and check for soil erosion," says John Metrick of the Soil Conservation Service. With the recent rainstorms many crop fields in Adams County are starting to show signs of soil erosion. Several small rills over an acre can add up to a ton or more of topsoil being lost in those areas alone.

To stop this loss, erosion and surface water control measures are needed on many fields in the county, Metrick said. Both types provide the necessary protection for crop fields. Each one has a specific purpose but there is also some overlap in protection.

Metrick explains: "Erosion control on cropland can be accomplished several ways. Leaving all of the crop residue on the soil surface can reduce soil erosion by approximately 60 percent. Contour farming can reduce erosion by 50 percent. Seeding a cover crop either before harvesting or immediately after harvesting can reduce erosion by 30 percent.

"Surface water control is also needed on these fields to break up the long slopes. After the ground becomes saturated, the excess rain water starts to run down hill. As the water continues, it accumulates more runoff. At a certain distance from the top of a hill, surface water begins to "snowball". Not only is water moving, hit soil particles and expensive fertilizer with it. Typically all these end up either in the lowest part of a field or in a stream. Structural conservation practices such as terraces and diversions can provide the protection needed. These practices break up the slope thus stopping long flow path.

According to Metrick, farmers can not afford to continue overlooking soil erosion as a problem. This is for both ecological reasons and also for their own economic well-being.

Heavy water runoff is eroding this wheat field.

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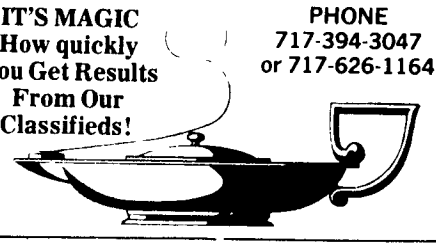

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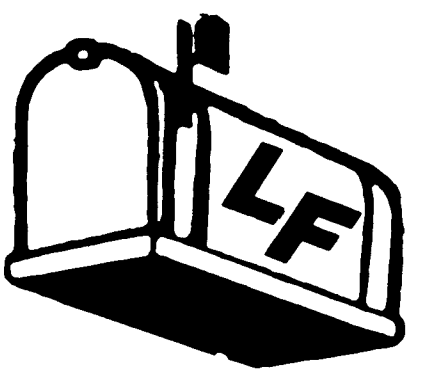

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NOTE: Please do not use this form for Mail Box Market Ads, see instructions in Section B with Mailbox Markets.

DEADLINE: 9 A.M. THURSDAY OF EACH WEEK'S PUBLICATION

RATES: 20¢ Per Word, $2.40 Minimum Charge

For ads running 3 or more consecutive times with no change deduct 20 percent discount. (See rate chart at beginning of classified section for an example of discount.)

1	2	3	4
5	6	7	8
9	10	11	12-$2.40
13-$2.60	14-$2.80	15-$3.00	16-$3.20
17-$3.40	18-$3.60	19-$3.80	20-$4.00
21-$4.20	22-$4.40	23-$4.60	24-$4.80
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29-$5.80	30-$6.00	31-$6.20	32-$6.40
33-$6.60	34-$6.80	35-$7.00	36-$7.20
37-$7.40	38-$7.60	39-$7.80	40-$8.00

FARM EQUIPMENT

(2) Oliver 1 row PTO potato diggers on rubber, quantity 1 JD 1 row PTO with engine mount, on steel, wheels, 717-687-0102.

For Sale - 1500 gal. Snyder poly storage tank. New Condition. 717-653-5359 or 717-426-3135.

For Sale - Popular 4 Auger stationary mixer with electronic scales used one year. Will deliver and guarantee for less than ½ new price. 717-758-2136.

For Sale - Custom built 2 row corn planters using J.D. Max-Emerge units. Pull-type or 3 point with or w/O fertilizer attachment. No-till or conventional. Pequea planter. Gideon F. Stoltzfus, RD#2, Box 2276 Gap, Pa. 17527.

WANTED - JD diesel engine model 4219D. 7:30 - 5:00 215-262-8800.

500 E Crawler, like new, $10,900; International power unit w/clutch, $375; 900 x 16 tires, $45; 75 Michigan payloader, diesel engine, $4,200; 55 gal. drums clear varnish, $100 drum or small lots $2.00 gallon; small generator, no motor, $150; 18' Glasspar boat w/115 h.p. motor, 40 hrs. on motor, $3,900. 717-733-3980.

500 E Crawler, like new, $10,900; International power unit w/clutch, $375; 900 x 16 tires, $45; 2 ton Yale forklift, preamatic tires, $2,000; 55 gal. drums clear varnish, $100 drum or small lots $2.00 gallon; small generator, no motor, $150; 18' Glasspar boat w/115 h.p. motor, 40 hrs. on motor, $3,900. 717-733-3980.

Case 1070 w/cab, air, heater, 1700 hrs. 7 tooth Case soil controller w/McCurdy harrowgater. Dion forage wagon, 3 beater w/roof. 12' Brillion cultimulcher. 717-665-6449 Manheim.

Wanted - JD 490 or 290 corn planter for parts, must have disk fertilizer openers. Richard Davis, Dysart, PA. 814-674-8119.

AC D21 tractor, diesel, excellent condition. 215-431-4384.

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- ☐ Farm Equipment
- ☐ Silos & Unloaders
- ☐ Buildings & Supplies
- ☐ Grain Equipment
- ☐ Dairy Equipment
- ☐ Livestock Equipment & Supplies
- ☐ Cattle
- ☐ Horses & Mules
- ☐ Sheep & Goats
- ☐ Swine
- ☐ Artificial Breeding
- ☐ Hog Equipment & Supplies
- ☐ Poultry & Supplies
- ☐ Feed & Seed
- ☐ Fertilizer
- ☐ Plants
- ☐ Fruits & Vegetables
- ☐ Nursery
- ☐ Lawn & Garden
- ☐ Services Offered
- ☐ Custom Work
- ☐ Help Wanted
- ☐ Situations Wanted
- ☐ Business Opportunity
- ☐ Autos
- ☐ Recreational Vehicles
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- ☐ Household
- ☐ Miscellaneous
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- ☐ Real Estate
- ☐ Trucks & Trailers

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16	3 20	7 68
17	3 40	8 16
18	3 60	8 64
19	3 80	9 12
20	4 00	9 60

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FARM EQUIPMENT

Wanted - burned, rolled or fire damaged combines and tractors. Prefer JD, 1970 or newer. Will pay cash. For offer call 215-756-4341.

Pollard 5 Wheel Rake, $450; Case 3B Plow $350; 5' rotary mower (demo) $525; MF 2B 16" Plow $325; All equipment is in good to excellent shape. 717-687-0102 Lancaster Co.

Oliver 1750 diesel, like new condition. 814-793-4293.

JD 4230 w/JD rollguard cab, quad range, dual outlets, 1100 hours. 814-793-4293.

JD 4020 power shift, dual hydraulics. 814-793-4293.

IHC 966 w/cab, excellent condition, low hours. 814-793-4293.

MF 1080 diesel, wide front, multi-power, dual hydraulics. 814-793-4293.

Minneapolis Moline G900 diesel, original paint, like new. 814-793-4293.

MF 65 diesel, 3 pt. hitch, wide front. 814-793-4293.

For Sale - JD 4620 Tractor, excellent condition. 717-284-2761.

G-1000 M/M very good condition, Case 800 3 pt. hitch w/PS. 301-833-1847.

1972 Ashley rubber tired front end loader. Also has mounts for grader, make offer, 215-385-3884.

For Sale - IH 1456 w/cab, duals and PTO, good condition. 717-464-3697.

IH 656 wide front 3 pt. 814-793-4293.

MF 175 diesel, wide front, multi-ower. 814-793-4293.

JD 4320 wide front, 18.4-38 tires, dual remotes. 814-793-4293.

FARM EQUIPMENT

Wanted - Caterpillar blade and hydraulic setup for 7UD4. 814-793-4293.

JD 3010 diesel. 814-793-4293.

David Brown 1200 Diesel w/loader, 814-793-4293.

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Knight model 500 spreader, in excellent cond., 717-872-9152 daytime, 872-2579 evenings and weekends.

Hillside 6600 hydrostatic combine in excellent condition, $20,000. Larry Stalter "The Combine Man" 219-862-2151.

JD 4230 4 post roll guard, dual hyd., 2000 hours, 814-793-4293.

Oliver 1600 diesel, wide front, 3 pt., 814-793-4293.

JD 4010 diesel, wide front, excell. cond., 814-793-4293.

JD 730 diesel, electric start, wide front, 3 pt. hitch, 814-793-4293.

JD 3020 Diesel, wide front, dual hyd., 814-793-4293.

Oliver 1850 diesel, dual hyd., wide front, 814-793-4293.

Oliver 1950T cab and air, dual hyd., original paint, 814-793-4293.

6600 John Deere Hillside combine, excellent condition, $17,500. 219-862-2151.

USED TRACTOR PARTS, also rebuilt clutches and torques. We ship UPS. Hill-T Farm Sales & Service, 4295 Richmond Palestine Road, New Madison, Ohio 45346. 513-548-0718.

FARM EQUIPMENT

For Sale - Farmall Super A, new paint with plow, cultivator, mower, and trailer. 717-442-8308.

Wanted - AC model G tractor for parts or extra parts. Also front hydraulic assembly. 215-539-9076.

For Sale - Dunbar Kapple Pneumatic grain conveyor. 6" unit with piping and accessories-1000-1200 BPH capacity (excellent for loading grain from flat storage and clean-ups) 75 HP minimum required and 1000 RPM like new! 201-689-0068.

Farmers & Dealers – Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164

Combine, Harvester and Corn Head Parts For Sale off used machines. Wenger's. 717-866-2135.

Farm tires and tubes, fronts, rears and implements, low, low prices, Eddie's Tire Outlet, Willow Street, PA 717-464-5008 or Chambersburg, PH: 717-263-0013. Wilmington, DE 302-655-8500.

Used Farm Tractor Parts by the thousands. Wenger's. 717-866-2135.

Used sawmills for sale. We buy and sell. Leroy Wray, R.D. 1, Douglassville, PA 19518. 215-385-3884

NH 456 mower, exc.
Oliver 387 Sulky plow, exc.
NH & Little Giant corn drag
(3) Nicholson Hay Tedders
NH 55 and 56 Hay Rakes
NI 751 & 752 Crushers
Lely pull type spin spreader
IHC 100 7' Trailer Mower
AC B125 Power Unit
TOM WHEARY
Lancaster, Pa.
717-687-0102

Chisholm - Ryder snap bean harvesters, all machines complete w/hyd. dump boxes, recond. and painted, 609-769-3183.

JD 60 new rubber, very good condition, $2000. 215-356-5305.

For Sale - 1956 Hough 4 wheel loader, model HO22A, $6,800. Myers 500 gallon double blast ag sprayer, mounted on Reo 6x6 army truck, $8,500. 34' Fruehauf self-contained live bottom trailer, $1,900. 2 Smitley range feeders, 4 ton capacity, one good $400, 717-473-3031 8-5 PM 717-473-3852 evenings.

For Sale - Hesston 12' Hydro swing haybine, good cond., 215-944-0791.

For Sale - 325 bu. N.I. Spreader, hyd. tailgate, top beater, pan, new web 1 yr. ago $2950. Snyder Co. 717-374-8750.

3300 JD combine, like new, 427 hours; JD 38 harvester w/pickup. Good condition, 814-926-3669.

Old two cylinder John Deere fly wheels rebuilt with our patented steel draw in hub which has the ability to tighten up on new or worn crank shafts. Also available new manufactured unbreakable fly wheels. Allen Machine Works, RD #7, Jonesboro, Tenn. 37699, 615-753-5738 day or night.

For Sale - 1980 AC gleaner, L2 corn plus, 400 hrs. on separator, 6 row narrow corn and 15' grain head, excell. cond., covered storage, $59,000, Warren Co., 201-479-4917.

FARM EQUIPMENT

Manure spreader, NI 1982 model 214, used little, best offer. 201-542-4840.

JD 4020 diesel, power shift, dual hydraulics, engine rebuilt. 717-532-7054.

For Sale - John Deere 680 manure spreader, good condition. 717-438-3205 Perry Co.

255 MF diesel tractor, low hours, very good condition. 717-837-3483.

For Sale - International 574 54 H.P. 1300 hrs. $8700. or Int. 464 42 HP 670 hrs. $6700 or make offer. Lebanon County. 717-865-5930.

Mechanic's Special - JD 4020 diesel, needs some work. 717-532-7054.

For Sale - Oliver 1850 diesel, wide front, 3 pt., 18.4x34 tires with Oliver front end loader; 200 gal. field sprayer; Rhino 3 pt. post hole digger. 717-933-8134.

Case 2290, 130 HP, cab, air, heat, 1100 hours. 717-328-5746

Wanted - NH EZ-Way potato harvester. Any Condition. 814-371-9071.

FARM EQUIPMENT

For Sale: Generator and engine 40 KW 240 volts 80 amps 2 phase 60 cycles $1500.00. Lancaster Co. 717-367-5043.

For Sale - NH 1010 automatic bale wagon; JD F-620-A, 4-16, pull type plow. Both in excellent condition. 301-348-5660.

Wanted-Fertilizer spreader-tandem axle four tons, S.S. body, spinner type, 215-584-4422 Montgomery.

JD 350 crawler loader diesel with Hyd. shuttle, good JD 450-B crawler loader turbocharged diesel, excellent, 215-679-2011.

For Sale - IH 475 19' wing transport disc, $2900. Athens 131 11' heavy duty transport disc, $1400. Ford 140 toggle trip 18" 3 bottom fully mounted, high clearance plow, $950. 6000 gallon tanker trailer, new caps, road worthy with a little work, $1800 or $800 without tires and wheels. 717-837-0724 Snyder County.

For Sale - JD 544 front end blade, H.D. 90-180 HP for earth or snow, like new, 717-733-4516.

FARM EQUIPMENT

JD 2600 metric 5 bottom mold board plow. Cuts 16", 18", or 20", new condition, $4,250. Call Sheaffer evenings, 301-758-1497.

NEW DEUTZ DX-130 TRACTOR, 121 hp, 4-post roll guard, 20.8x38 rear tires, dual speed pto, turbocharged, powr-matic transmission, dual remote outlets, full warranty, $21,995. 301-662-7703.

For Sale - JD 1240 planter; Oliver 9' grain drill; 58 Chev C60 dump truck; 76 Dodge D200 PU; 78 GMC PU; 69 International corn head. 609-299-4971.

1981 White 8700 Combine 400 hrs. air heat 15' flex head 4 row wide corn head straw chopper monitors $52,000. 609-397-3778.

Wanted Oliver-60 tight fender, Sandstone drinking trough, 1948 Ford Truck radio. Chester Co. phone 315-326-4640.

For Sale Super A with cultivators and side dresser $2500.00 also International 140 with cultivators and snowplow $4000.00. 717-677-6760.

FARM EQUIPMENT

For Sale - JD 4230 diesel tractor w/soundguard cab, heater and air cond., quad. range trans., radial tires, fair condition, $11,500. Can deliver. Also cab for 4020 or 3020. 717-532-8601.

NH 45' Elevator . . . $1050
225 Bu. Field Tank . $250
NI 323 Picker. $2500
Mighty Mac Skid Loader $3250
NH #33 Chopper . . . $950
NH 27 Blower $550
JD 60 Tractor $1800
WENTZ FARM SUPPLY
Palm, PA 215-679-7164

Cat 933G Loader. 717-933-5734.

IH 3400 Backhoe Loader. 717-933-5734.

For Sale: MF 285 Diesel 81 H.P. 12 speed dual remotes 1575 HRS like new. 717-799-5739.

Unique Christmas gift for the farming enthusiast. Antique cast iron implement seats (made in the 1800's). Not many available. $25 and up. 717-687-0102.

AC XT 190 Series III tractor with year round cab, power shift wheels, full set of weights, low hours, good condition. Call 717-284-3205 or 786-7143.

LANCASTER SILO CO., INC.

2008 HORSESHOE ROAD - LANCASTER, PA 17601

WE MANUFACTURE & CONSTRUCT.
"LANCASTER" CONCRETE STAVE SILOS
ROOF: ALUMINIZED OR COLOR
CHUTE: ALUMINIZED OR STAVE
DOORS: HINGED REDWOOD
STEEL RODS: DICROMATE FINISH
PLASTER INTERIOR FINISH
STAVES: WHITE, VIBRATED
DISTRIBUTOR & FILL PIPE

SILO UNLOADERS
SUPREME SS TURBO
RING DRIVE
VAN DALE MAGNUM
SURFACE DRIVE
RECONDITIONED UNLOADERS

WE MANUFACTURE, INSTALL & SERVICE
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"LANCASTER" DOUBLE CHAIN CONVEYORS
"LANCASTER" TAPER-BOARD FEEDERS
"LANCASTER" ROUND HAY FEEDERS
"LANCASTER" WATER BOWLS W/FLOAT
"LANCASTER" FIBERGLAS SILAGE CARTS
"LANCASTER" TOBACCO BALE BOXES
"LANCASTER" STEEL GATES W/LATCH

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WATER BOWLS (In Stock)

RENSON WATER BOWLS - ALL PLASTIC → LIST $24.00 SALE $19.50
JADE-VENT GALV. BOWL - BUTTON VALVE → LIST $22.00 SALE $18.00
JADE-VENT CAST BOWL BUTTON VALVE → LIST $34.00 SALE $24.00
SHOW-EASE CAST BOWL - ALL CAST BOWL → LIST $27.00 SALE $24.00

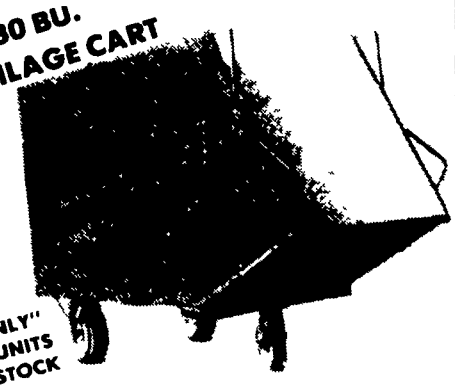
ALL "STARLINE" PARTS IN OUR INVENTORY
15% CASH & CARRY DISCOUNT

TILE — 4"x4" ASS'T COLORS
"CLEARANCE SALE"
12½ Sq. Ft. Per Box - (100 Left)
List Price $8.75 Per Box
Sale... $6.75 Per Box

STOP IN OUR PARTS DEPT.
ALL KIND OF TOOLS!!!

"SPECIAL:" CLEARANCE SALE

30 BU. SILAGE CART



"ONLY" 10 UNITS IN STOCK

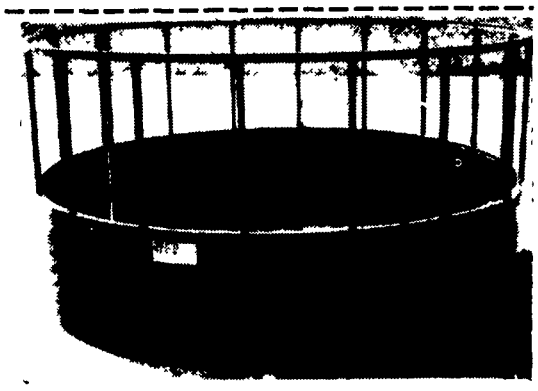
$150.00 Less 10% - Cash & Carry

PARTS & SERVICE FOR VAN DALE SUPREME & STARLINE SILO UNLOADERS

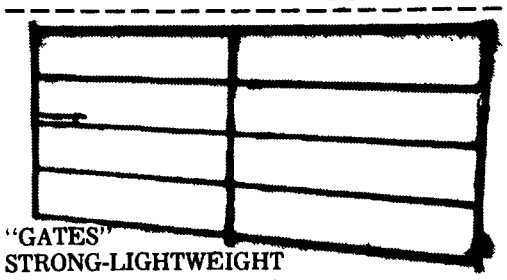
FOR QUOTATIONS - CALL 717-299-3721
WAYNE LLOYD - SALES
LARRY HIESTAND - OFFICE

"NEW" FIBERGLAS FEED & SILAGE CARTS

15 Bu. Feed Cart (above) $220.00
15 Bu. Feed Cart w/Lid $240.00
30 Bu. Silage Cart $260.00



ROUND HAY RACKS - 2 PIECE
18 Openings - Can use for Regular or Large Bale $149.00



"GATES"
STRONG-LIGHTWEIGHT
1 5/8" TUBING-PAINTED
Gates w/Latch & Hinge
8 ft. . . . . ea. $55.00
10 ft. . . . . ea. $60.00
12 ft. . . . . ea. $65.00
14 ft. . . . . ea. $70.00
16 ft. . . . . ea. $75.00
IN STOCK

10% CASH DISCOUNT ON ABOVE ITEMS

FARM EQUIPMENT

Lewis Shepard 24 volt elec. platform lift with charger, 4000 lbs., 2-30 h.p. elec. upright water pump motor with starter and switch box all 3 p.h. plus ortier motor. Call after 8 p.m. 215-679-6663.

For Sale - Registered Australian cattle dog pup. Pick of litter. Male - 5 months old, shots, wormed, started on dairy cattle. Kathy Lawson, Rt. 3, Box 122A, Smithsburg, MD 21783. 301-824-3152. Will deliver up to 100 miles.

For Sale - White 2-135 tractor, air, heat, AM-FM, quick hitch, full weights, 20.8x38, w/wo duals, under 1200 hours, excellent condition. 215-298-2774.

For Sale - JD 660 sidehill combine, air, heat, monitor straw spreader, weights, with 213 grain and 444 corn heads. Under 1400 hours, excellent condition. 215-298-2774.

Farm wagon on rubber new flat-bed with 18" high removable sides. 717-292-2834.

For Sale - Tico traveler irrigation system, Dodge 1500 gallon tank truck, Oliver 2 row potato digger, 3 CRCO snap bean harvesters, 3 trailers w/conveyors, 1½ barns. 717-398-0226.

Snow plow-8' power reverse, made by Frink, suitable for 4 WD pickup truck, small truck or tractor, $1200; Bush Hog 3 pt. 7 shank bar chisel plow, $795. eves., Sheaffer, 301-758-1497.

1937 model B Huber tractor, has Buda motor, loose, $450. Agway liquid protein feeder, $75. Commercial shop vacuum cleaner, $75. 215-326-0439 after 5:30.

DEUTZ

USED TRACTORS & EQUIPT. IN STOCK
Used Deutz D-8006, 85 HP, cab & duals, clean, 1240 hrs
Used JD 4020 Diesel, wide front end
Used Hay Tedder, Vicon, 10'
MF 128 T baler/thrower, wide pick-up, shur-tie knotter
John Deere 480 mower conditioner

NEW TRACTORS & EQUIPT. IN STOCK
D5207 Deutz tractor, 52 h p
D6207 Deutz tractor, 62 h p
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p
DX 120 Deutz tractor, 111 h p, w/4 post safety frame
Leon 636 heavy duty front end loader, fits Deutz tractors
Deutz-Fahr KH300 9 8' Hay Tedder
Deutz-Fahr KS85 Hay Rake
Custom built diesel Gen Sets made to order
New & Used Deutz diesel engines at special prices Call for details
New Deutz F2L 912 diesel engines 20 32 H P electric start

STAUFFER DIESEL, INC.
312 West Main Street
New Holland, PA
PHONE 717-354-4181

Stauffer Diesel Inc.
312 West Main Street
New Holland, PA
PHONE 717-354-4181

FARM EQUIPMENT

AC ground driven $350; tool bar fertilizer attachment $250 6 round hog feeders $100 each; JD #7 corn harvester $750 or best offer, 717-626-6805.

Clay manager ranger, Electric silage cart, like new, used less than one year. 717-949-3074.

JD 4440 sound guard, cab, 8.4x38 tires, quad range, dual remote and quick coupler, 1400 hours, 609-455-3462 or 609-769-4025.

NI #12 manure spreader. Syracuse 2 way plow, exc. cond.; AC C tractor. 717-949-3074.

225 Bu. Feed Tank . $250
JD 60 Tractor $1800
JD Rotary Mower, pull type $600
(New) Dunham Cultimulcher 12' . . $4800
WENTZ FARM SUPPLY
Palm, PA 215-679-7164

IH 1566 red cab, 1000 PTO, dual outlets, runs and looks good, $10,500, 609-455-3462 or 609-769-4025.

7000 Ford Diesel dual power, 18.4x34 tires, $6200, 609-455-3462 or 609-769-4025.

AC 190 XT 18.4x34 tires, 3000 hours, good condition, $5900, call 609-455-3462 or 609-769-4025.

IH 1066 black stripe, dual hydraulics, both shafts, and duals, $9500, 609-455-3462 or 609-769-4025.

8900 White combine, 15' quick cut head, 4 row wide corn head, 530 hours, 4 wheel drive assist, 609-455-3462 or 609-769-4025.

For Sale - Franklin County, PA - 1972 JD 4620 with 18.4x38 duals, side console, no cab; 1982 Glenco SS 9 soil saver; JD F350 6x16 auto reset plow, furrow hitch, 400 gal. Kuker saddle tank sprayer with disc kit for liquid fertilizer, complete 1 year old. 717-273-1872, prefer evenings.

IH 886 cab, air, 2 outlets, low hours, has been vandalized, needs cosmetic work, $8500/offer. 301-833-9091.

For Sale - NI 206 manure spreader, used only one time. Amos S. Stoltzfus, 552 Beachdale Road, Bird-in-Hand, PA 17505.

JD 4230 quad, fenders, new engine, new radial rubber, $11,500 301-833-9091.

JD 4240, 1100 hours, dual hyd., like new, $16,000. 717-532-6892.

IH 986 ROPS, 2 outlets, perfect condition, $12,500. 301-833-9091.

MF Massey Ferguson

SPERRY NEW HOLLAND

END OF YEAR SPECIALS ON NEW EQUIPMENT

MF 210-4 Tractor
21 PTO H.P.
4 WD, Ag Tires
SPECIAL $6,600

MF 294 Tractor
4 WD, 67 H.P.
SPECIAL $18,850

Gehl #4300
Skid Loader
Bucket and Fork
SPECIAL $11,200

NH L-425 Skid Loader
Bucket and Fork
SPECIAL $12,500

MARLIN SCHREFFLER
Pitman, PA
717-648-1120

FARM EQUIPMENT

JD 4400 combine, with grain head, new straw spreader, excellent condition, 1500 hours, $9,800. 215-933-5216, Montgomery County.

Wanted - 350 Farmall Diesel any condition, Bucks Co., 215-348-3196, after 7 PM.

4020 diesel, A-1 condition, new rubber, 18.4x38 tires. Lancaster County. 717-656-2824.

Wanted - Roller mill or crimper for small grain with or without mixing tank. H. Z. Gross & Son, Manchester, PA. 717-266-3424 or 717-266-2828.

Gehl 120 grinder mixer used 1 year, excellent condition, 201-879-5851, nights 201-584-5054.

For Sale - FMC Cascade tomato harvester, JD Diesel engine, stored inside, field ready; 1 purebred Simmental bull, Simmental 4 years old, Langdon breeding, big and good disposition Russcott Farms, Sunbury, PA, 717-286-2384.

IRRIGATION PIPE - 24-6"x3" and 12-5"x3" Tico Valving Stations. 5000' of 4"x40' pipe w/Rainbird 40B sprinklers. 717-532-9108.

AC 185 diesel, 1800 hours, excellent condition, Lancaster County. 717-665-2906 or 665-5594.

For Sale: IHC Model 400 6 Row No-Till Corn Planter, Dry Fertilizer and/or Herbicide Tanks. Northumberland Co. 717-425-3515 after 6 P.M.

JD 3020 gas tractor, good cond., $4500. 717-354-5092.

AC 7000 Dsl. Tractor
AC 5040 Tractor
AC 200 Tractor w/Cab
AC 185 Tractor
AC 160 Dsl. Tractor w/ Loader
AC 160 Tractor
AC C Tractor & Cultivator
OMC #83 Grinder Mixer
OMC 540 Stacker & Mover
8C Hydra-Mac Skid Loader

ROY H. BUCH INC.
Ephrata
717-859-2441

WHITE FARM EQUIPMENT

NEW EQUIPMENT
WHITE -
2-75 Tractor
2-85 Tractor
2-135 Tractor w/cab
255 Disk Harrow
225 Field Cult., 19'

GEHL-
BU 960 For. Box
FB 99 Blower

AVCO NEW IDEA

NEW IDEA-
384 Solid Plus Spreader

BEHLEN CORN CRIBS-
611 Bushel

KUHN-
17' Gyrotedder

USED EQUIPMENT
2-35 White Tractor
2-105 Tractor w/Cab, Low Hours
800 Series Ford

NOTICE
We Will Be Closed
Monday
January 2nd

MILLER EQUIPMENT CO.
RD 1 Bechtelsville, PA
215-845-2911

FARM EQUIPMENT

For Sale - Farmall 504 Diesel, 3 pt.; David Brown 1200 Diesel; IH 990 haybine 7', King Wise 28' elevator; King Wise corn drag; Starline tank spreader; Oliver 8' transport disc; 215-562-4464.

For Sale - 2630 JD tractor, good condition, Springwagon with lights, Lancaster County, 717-354-8745.

Hopper type pick-up truck cinder spreader.
DENNIS M. MILLER
Rt. 22 Grantville, PA
717-833-1888 anytime
717-469-0937 daily

For Sale - IH 240 tractor w/cultivators and corn planter. Farmall 504 wide front end. Plastic mulch layer, 3 & 4'. JD KBA disc. Husky 200 gallon field sprayer trailer type. JD 3 pt. 2 bottom plow. 3 year old electric stove, self-cleaning, good shape. 717-367-4753.

352 GRINDER MIXER, WELL-USED $1050.00

NH #518 MANURE SPREADER

NEW NH #358 GRINDER-MIXER $7,800

SHOVER'S
Loysville, Pa.
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SHULER EQUIPMENT SALES
RD #1 Box 228
Shuler Road
Shermansdale, Pa. 17090
717-582-4365 anytime
ACRES OF USED AND RECONDITIONED FARM EQUIPMENT AND TRACTORS
Also
ACRES OF USED EQUIPMENT AND TRACTOR PARTS.
WE WILL BUY OR TRADE YOUR USED EQUIPMENT IN ANY CONDITION.

MF Massey Ferguson

USED EQUIPMENT
MF 510 Diesel Combine w/MF 44 Cornhead
MF 750 Diesel Combine
MF 33 Drill, Like New
NI 214 Spreader
JD FB Drill
JD 6600 Diesel Combine w/Grainhead & 6 Row Cornhead

USED COMBINE SPECIAL!
• MF 750 Diesel
• JD 6600 Combine
Eligible For 6.9% APR Financing For 36 Months
OR
Waiver of Finance Charges Til 2/1/85!

NEW EQUIPMENT
MF 205 Tractor
MF 210-4 Tractor
MF 698 Tractor
NI 660 For. Harv.
NI Manure Spreaders

N.H. FLICKER & SONS, INC.
Box 68
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PA 19538
215-683-7252

FARM EQUIPMENT

For Sale - Oliver 3-16 cushion trip fully mounted plow. 215-445-4452.

JD 146 loader with 2 buckets, like new, 301-797-3921.

LONG

610 Long 64 HP 4 wheel drive, PS, sale price $13,000
Long 310 4 wheel drive, 28 HP, PS, sale price $8,400
With front end loader, $9,600
Sorry no trades
Cash only

Addison Farm and Industrial Equipment
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FOR SALE EQUIP.
1 4 cyl. and 6 cyl. Perkins engine (cheap)
1 4 cyl. Deutz, excellent $2800
1 Remod Cat 3208 Diesel no acc , but 2 extra new heads, $3500 outright
53-71-92-110 series Detroit engine and power units
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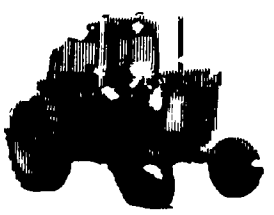
IH 3200 hydro. skid steer loader. $2500
Large quantity brand new twin Dish PTO's SP111 HP2 $450, below dealer cost
C111 HP4, $435
C110 HP3, $425
C108 HP4, $385, less quantity discount
717-523-1974
RIEFF DIESEL
RD 1
Lewisburg, PA 17837



WHITE TAG SPECIALS
3088
234D-4WD, 15HP $5400
244D-4WD, 18HP, $5200
15 Rear Blade, 6', $250
420 3-F plow, $1600
720 5-F plow, $6900
540 Spreader, $3500

LAWN & GARDEN SPECIALS
482 Cub Cadet, 11HP w/mower, $2250
1282 Cub Cadet, 12HP hydro. w/mower, $3018
782 Cub Cadet, 17HP Hydro. w/mower, $3695
982 Cub Cadet, 19HP 3pt., $4465

NEW EQUIPMENT
McKee snowblower for a IH 184 & 154 tractors, SPECIAL PRICE
IH 475 disc, 11'6"
540 spreader
335 wagon
18' bale wagon
Morridge Grain Dryer
5110 grain drill, 16x7

USED EQUIPMENT
IH 475 disc, 11' 6"

USED TRACTORS
9 N Ford, rebuilt

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

FARM EQUIPMENT

(New)
NH #311 Baler w/75 Thrower,
Demonstrator
$7995

Case 1830 Skid Loader
$6900

PAUL SHOVER'S INC.
35 E Willow Street
Carlisle, PA
717-243-2686

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DB 990, 995, 1200
IHC 684, 656, 674, 574, 460, 400, 300, 350, A, B, BN, H, M, C, W4, W6
JD 2010, 60, 430, 420, 40, MC, A, B, 1020, LA
Oliver 66, 77, 1850
MF 20, 30, 50, 65, 85

Industrial:
IHC 3616 Loader
Case 310 Crawlers
Oliver OC-3
AC HD4 Crawler Loader
Many others MH, CK

Ed Goodrich, Jr's Tractor Parts Co.
Rt 38 & 38B,
Newark Valley, NY
607-642-8688

JOHN DEERE

USED EQUIPMENT
MF 1155 Tractor
INT. 475 DISC
JD-BW DISC
JD 5020 tractor
MOTT MOWER - 48 In.
JD 54 Manure Spreader
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
Oliver 5x16 Plow
JD 1250, 4 btm. plow
1-JD AW disk harrow, 14'

NEW EQUIPMENT
JD 415 Rotary Hoe
JD 347 W Baler
JD 7100 8-row 20" bean planter
JD 950 - 12 Ft. Roller Harrow
JD 7000 - 4 Row & 6 Row Conservation Planter
JD 45 Blade - 8 Ft.
JD 45 Blade - 7 Ft.
2 - JD 506 Gyramor
2 - JD 606 Gyramor
JD 660 Rake

OTHER LINES
NEW EQUIPMENT
Superior-Campbell Sprayers
Superior-Scranton Livestock Equipment, (Hay Feeders, Corrals, Gates)
Ceco Farm Buildings

COVERT & SONS, INC.
Neshanic Station, NJ
201-369-5241
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

FARM EQUIPMENT

FOR SALE
Ford 8-N tractor, excellent condition, new brakes, seals and wiring system. Good rubber, nice paint. Must see to appreciate $2,660 firm.
Call Charley
717-626-2121

case

Case 2390 Tractor 1982, Fully Equip., 100 hrs. Dual Wheels, Traded for other Machinery.
Case 1690 Dsl. tractor, no cab, 265 hrs.
(New) NI #215 36 tr. Element for manure spreader, good price.
Used NI #324 2 Row Wide corn Picker, good shape.
JD 7100 Corn Planter, A-1 shape, set up for fert.
Case 308 Plow at Good price
SC 7 Soil Controller
Plus NI 702 Uni-Tractors, mow/ditioners, tractors & spreaders in stock at Good Prices.

C. & P. FULTZ EQUIPMENT
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JD 950 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1209 Mower Conditioner
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

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AC C & WC Tractors
Farmall MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Farmall Cub w/outfit
Cub Frt. Mtd. Blade
JD 494A Planter
IHC 315 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull Type Mower
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
Mayrath 40' Elevator
NI Hay Rakes on steel
Myers Snowblade
Valk ST80 Snowblade

USED COMBINES
JD 95 w/platform
JD 434 corn hd.
AC C2 w/platform
AC 4R corn hd.
JD 45 w/platform
Plus other new and used equipment

Call For Details.
MILLER'S SALES & SERVICE INC.
West Penna. Ave.
on Highway 851
Stewartstown, Pa.
717-993-2470
or 993-2732

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

For Sale
MF 1105 w/cab, heat, air, AM-FM-CB radio, 2290 hrs., 300 gal. saddle tanks, hyd. pump, cab controls (will separate) very good condition
$9000.00
717-859-2960

Special Of The Week

3000 Gal. BADGER MANURE TANK SPREADER
$5500

EQUIPMENT FOR SALE OR LEASE
BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers
Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls

SHOW-EASE STALL CO.
573 Willow Rd. Lancaster, Pa.
Ph: 717-299-2536

USED EQUIPMENT

Would anybody give $38,500 for a brand new JD 4440 cab, air, quad range?

COMING NEXT WEEK
JD 4430, Cab & Air, QR, 2300 hrs. new in Sept. 1977
JD 4020, Side Console, Diesel
JD 158 Loader
IH 2350 Loader

AC 8050 w/Cab & Air, 275 hr SOLD
Farmall 966 No Cab
Farmall 826 Diesel, recently overhauled
Farmall 806 Diesel SOLD
Farmall 706 Gas w/291 engine & SOLD A
IH 1086 w/cab & air
Case 500 Dsl. for belt pi SOLD
Case 1030 w/excellent cab, would sell cab separate
Massey 1100 Dsl. Wheatland, no 3 pt. hitch
JD 4400 Gas Combine SOLD hrs. Excellent
Gleaner Model M Diesel Combine w/2 heads Front wheel SOLD attach. for later IH Tractors
Uni 705 Diesel w/740 Throat & & 844N Corn Head
NI Snow Blower for Uni Tractor

RAYMOND B. LEAMAN
Willow Street RD 1
Ph: Lancaster 717-464-2778
Midway between Lancaster & Quarryville off Rt. 222 take Brenneman Road at Graybill Bros. Garage, Refton.

BALDWIN ELECTRIC MOTOR DIVISION, INC.
REPAIR & REWIND - ALL BRANDS
AC & DC MOTORS
Call 717-354-5566
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BALDOR ELECTRIC MOTORS
Warehouse and Factory Service
½ hp. thru 10 hp. 1 ph.
½ hp. thru 100 hp 3 ph.
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Ford 801 diesel 9N, 8N, 9000, 8000, 5000, Major diesel & 771
Case 800, 930, 1030, 211 B w/loader, & 303

OTHER EQUIPMENT
Gehl grinder mixer, 3 pt. backhoe, post drivers, scraper blades, post hole digger, truck snowblades, disc harrows, 3-4-5 bottom plows, manure spreaders, NH balers.
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Case 1570
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IH 574
JD 3010
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MF 180
MF 550 combine w/1143 corn head
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IH 3200 Skid Loader
Case 1290

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Ford TW20, 500 hrs.
Ford 8000
Ford 8000 w/Cab
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Ford 8N
Ford 600
Ford 5000 w/602 Picker
Ford 555 Tractor Loader, 300 hr. cab with counter weights
(2) Ford 555 Tractor/ Loader/ Backhoe, 800 hrs. 14' hoe, 170 hrs. 18' hoe, both with cabs
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Long 1550 loader
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Sorry no trade price

USED EQUIPMENT

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3 tank spreaders, $900 each
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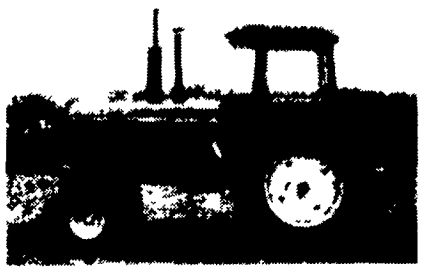

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738 4RN Head
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NI 213 NH 371 Flail
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IH 815 combine w/2 heads
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Leyland 384 Diesel
Ontario grain drill
#56 Blower, nice
674 diesel, exc. cond.
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NI 214 manure spreader
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AC 7050D	AC 180D	AC 5040D	IH Cub Low Boy	JD A	Case 450 Crawler/ Loader
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AC 7010D	AC 175D	JD 2010	IH H	MF 65D	
AC 7000D	AC D19D	IH 806	IH 140	MF 65G	
AC 440	AC D14			Case 1490	

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610 Bobcat Skid Loader
630 Bobcat Skid Loader
1000 OMC Skid Loader
371 Bobcat Skid Loader
70 JD Skid Loader
Thomas Skid Loader
MC 600 Grain Dryer
65' 8" transport Auger
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IH 706
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IH 756 Diesel
IH 806 w/new TA
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IH 504 w/NI Loader
IH Super A
JD 620
JD 70 Skid Loader
#10 Hydra-Mac Skid Loader
1976 Chevy C60 Truck
Farmall M
IH 2050 Loader w/Side Pump

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IH 710 4x16 Plow Reset
IH 720 5B 20" Plow
IH 700 5x16 reset Plow
JD 5x16 Reset Plow
JD 4x16 Reset Plow
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IH 9A 9' Disc
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Athens 7' Chisel Plow
Athens #131 13' Disc
Athens #131 11'6" Disc
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1977 Chevy 30 Series Truck 21,000 Miles, Dual Tanks 350 4 sp, 11' Reading Service Body (new)

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IH 440 Baler
IH 37 Baler w/Thrower
IH 990 9' Windrower
IH 225 SP Windrower
IH 5000 Windrower
Hesston 320 AP 9' Windrower
Hesston PT10 Windrower
IH 990 7' Windrower
Case 555 Windrower
NH 27 Blower
IH 56 Blower
Fox Blower
NH #46 7' Mower
JD 3 pt. hitch 7' mower
JD 894 Rake
VanDale 180 Feeder Wagon
Grove 14' Hydraulic Drive Wagon
Coby 4000 Wagon

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IH 56 4 Row W/N
IH 455 4R and 6R
IH 449 4R
IH 400 4R & 6R W/N
JD 1240 4 Row
Ferguson 2R 3 pt Hitch
White 5400 4R no-till liquid fert, insect boxes, markers, monitors 30"

SPREADERS
NI 218 Manure Spreader
NI 214 Manure Spreader
NI 213 Manure Spreader
NI 212 Manure Spreader
NI 206 gr dr Spreader
NI 12A Spreader
Badger 1000 gal Vac Tank
Hawk Bilt 357 Spreader
Hawk Bilt 205 Spreader
IH 595 Spreader
IH 575 Spreader
Clay 1500 gal Manure Tank

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NI 708 Uni, less than 800 hrs
767 Super Chopper
768 3RWN Corn Head
NI 702 Dsl Uni
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818 Combine
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744N 4 Row Corn Head
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770 Ear corn Adaptor
710 Combine
324 Picker w/12 roll bed
NI #330 3RN picker

COMBINES
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IH 715 Combine w/4R Corn Head
IH 205 Combine w/13' Platform
IH 843 4 Row N Corn Head
IH 76 Combine
IH 303 Combine w/13' Platform
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JD 45 Combine

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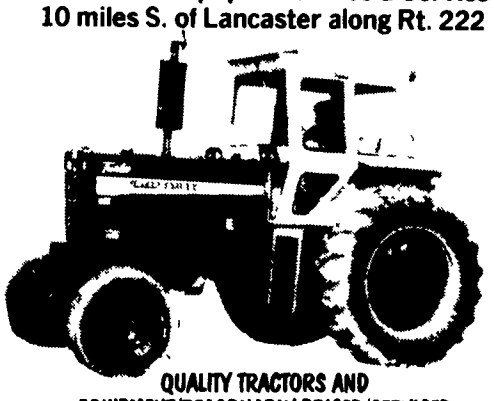

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JD 4020 D, w/cab, wide front, sharp
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JD 3020 Diesel, wide front, fully equipped
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IH 786 1981 model, fully equipped w/only 100 hours, diff. lock and 38" rubber
IH 1086 cab & air, fully equipped
IH 1066 w/cab, good solid tractor
IH 856 wide front, 3pt., 38" rubber
IH 1456 w/factory cab, very clean
IH 1456 duals & weights, solid tractor
IH 1256 nice w/complete engine overhaul
IH 656 Diesel, SOLD ean
IH 856 Diesel, wide front
IH 1206 w/cab and new TA, very clean
IH 756 gas, real good tractor
IH M Farmall
IH 300 Farmall, gas w/fast hitch and power steering
IH 706 gas w/recent complete overhaul
IH 706 gas, WF, 3 pt.
IH and JD cabs (used)
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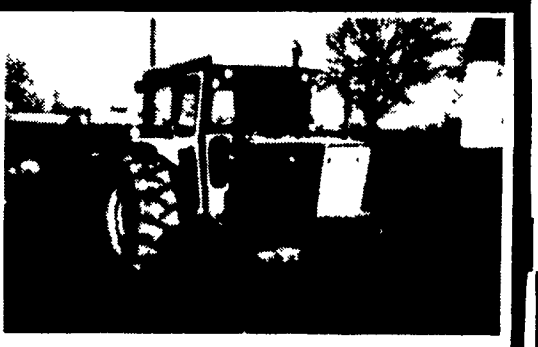

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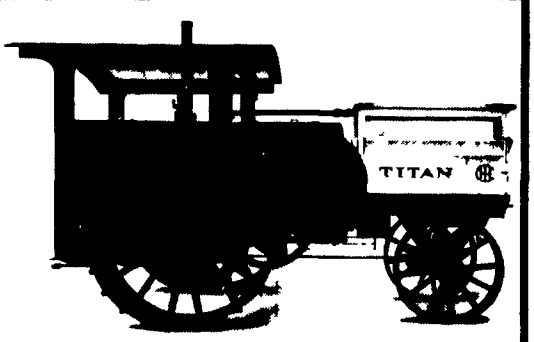

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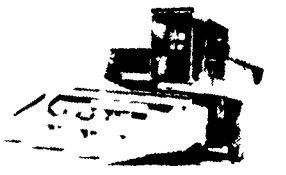

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MF 220 baler
MF 224 baler
MF 212 bale thrower
MF 860 diesel combine, hydro
MF 1144 corn head
MF 1163 corn head

USED EQUIPMENT

MF 510 combine
MF 760 combine w/6 row corn head & 16' grain table
MF 750 combine w/63C corn head & 14' grain table
MF 410 combine w/4 row corn head
MF 2675 diesel tractor
MF 285 diesel tractor

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Hesston 7650 4 whl. drive SP
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NI 802 Uni w/Harvester
Auto Roller Mill-Blower

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18' Amco Wing Disk
White #271 18' Disk

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Oliver 88
Oliver 77
Ford 6000 Dsl.
Farmall M
Hesston 480 4 WD., - 45 h.p., w/loader
Case 1210
Case 430 w/Loader
IH 544 Gas, wide Front End
Hough 25B Loader w/52" bucket

New Brady 1440 12' Shredder
New Bush Hog 15'&20' Wing Mowers
Used NI 270 Cut/ditioner Used 7'
Bushog Rotary Mower Used C80
Woods Rotary Mower

USED HARVESTERS

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MF 410 D Combine
701 Uni
702 Uni
727 Husker w/3RN Head
Fox Super Dw/3RN Pickup
Fox 3310
Fox 2000, 2 RN Head
Fox 2310 2 Row N & Pickup
Fox 299 80" Flail Head
IH 830 w/3 row head and pickup
NI 323 Picker, used 40 acres
NI 324 & 325 2 Row Picker

USED EQUIPMENT

Glenco 559 Soil Saver
White 5100 4 Row Planter Dry Fert & No-till
JD 7000 4 Row Consv. Planter
AC 4R Planter
NI 710 Combine
NI 725 3R Head
Kuhn 13' Tedder
Kewanee 20' Field Cultivator
JD 216 Wagon, 3 btr. & roof.
Hesston 5500 Round Baler
NH 277 Baler w/thrower
JD 336 Baler w/thrower
NI 484 Round Baler
Gehl 910 Fg. Wagon, 3 btr. & roof
Hesston 1014, 12 Ft. Hydro Swing Windrower
JD 2280 diesel 14' windrower
Westfield 744 auger PTO
EZ Trail Bin Wagon
Hesston 1400 gal. tank spreader
NI 214 Spreader, end gate
NH 327 Spreader
Walsh 500 gal. skid sprayer w/30' boom

SPECIAL
Bervac 87" 3 pt. Snow Blower

STOLTZFUS FARM SERVICE
Cochranville, Pa.
215-593-2407

Umberger's Of Fontana

RD4, Lebanon, PA (Fontana) 717-867-5161 or 717-867-2613
Mon.-Thurs. - 7:30-5:00; Fri. - 7:30-8:00; Sat. - 7:30-4:00

New Idea Gehl | Hesston Bush Hog | Glencoe | Brillion | Toro | Gilson | Kilbros | Wic | Trustworthy Hardware! The Problem Solvers

USED EQUIPMENT	Starting Price	Daily Reduc.	Price 12/31/83
729A NI Uni Sheller	$3750 00	$5.00	$1520.00
770 NH Harvester w/2 RN & PU	$5951 00	$5.00	$4656.00
676 NH Tandem Axle Spreader w/gate	$3254 00	$5.00	$1959.00
FB 88 Gehl Blower	$850 00	$2.00	$626.00
66 JD Blower	$1390.00	$3.00	$1054.00
FB 99 Gehl Blower	$1395 00	$3.00	$1059.00
10' Bush Hog 10 Tooth Chisel	$1495.00	$3.00	$1159.00
6' Case 3 pt Rotary Chopper	$450.00	$2.00	$226.00
11' AW JD Transport Disc	$950 00	$2.00	$726.00
10' KBA JD Transport Disc	$1050.00	$2.00	$826.00
Grove Corn Drag	$350.00	$1.00	$238.00
Allied 1 Ton Grinder/Mixer	$2350.00	$4.00	$1902.00
MX 120 Hyd Drive Grinder/Mixer	$3850.00	$5.00	$3290.00
686 IH Tractor - 825 hrs	$14,900.0 0	$20.00	$12,660.00
717 NH Harvester w/1RN	$1950 00	$4.00	$1502.00
212-217 NI Single Beater Spreader	$1695.00	$4.00	$1247.00
214-217 NI Single Beater Spreader	$1595.00	$4.00	$1147.00
213-215 NI Triple Beater Spreader	$2550 00	$5.00	$1990.00
218 NI Spreader w/Hyd Gate	$3150 00	$5.00	$2590.00
Wic 3 pt Straw Chopper	$1095 00	$2.00	$871.00
IH 6x16 Semi-mount Plow	$2190 00	$4.00	$1742.00
83 Oliver 2 Row Wide Pull	$2490.00	$5.00	$1930.00
Kasten 2 Beater 16' Unloading Wagon	$1890.00	$5.00	$1330.00
763 3 RN NI Uni Harvester Head	$1800.00	$4.00	$1352.00

Used Gehl 135 Mixall With Scales, 1 yr. old

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

USED TRACTORS
* JD 2240 w/145 loader
* JD 4430 Cab, QR
* IH Super AV w/cultivators
* AC 190 XT Dsl.
* AC 5040 Diesel
* AC D17 W.F.E.

USED HAY AND FORAGE EQUIPMENT
* JD 336 Baler w/Kicker
* JD 3800 Fg. Harvester w/2 row wide corn head

USED TILLAGE
* JD 7000 6R 30" Planter
* JD 7000 6R 30" No-Till w/Dry Fert.
* JD 1240 Plate Planter w/Fert., Insecticide, Monitor
* Oliver 10' Drill w/grass seed
* JD 400 Rotary Hoe 20'
* Oliver 10' Disc
* JD 210 Disc 12' 10"
* Ford 24' Disc

USED COMBINES
* JD 7700 Hydro Rotary Screen
* JD 16' Rigid Platform
* JD 220 Flex Platform, like new

MISCELLANEOUS
* 16.9x28 Duals
* G.E. Electrack Mower
* JD 214 14 h.p. Mower
* JD 212 12 h.p. Mower
* JD 57 Rider
* AC B112 12 h.p. Mower
* IH 154 Cub-Low Boy
* JD Spitfire Snowmobile
* JD 66 Rider

We Cater To ALL Farmers, BIG or Small

Cooper Ent., Inc.

Box 12 Cecilton, Md. 21913
301-275-2195 301-648-5416 301-755-6608
Evenings Call Gary 301-885-2248 or Billy 778-6024

SALE

AVCO NEW IDEA

FOR SALE

Same Falcon 4 wheel drive 49 PTO Horse Power. 325 hours. New Condition, $8,800.

Deutz 6806, 68 HP New Paint $6,400

Deutz 10006 2 WD w/cab, heat, ~~$8,200~~ — $6,900

Leyland 270 Turbo 80 PTO Horse Power 4 new tires 3000 Hrs. $7900.

Ford series 250 PTO hay baler, $800

International 350 Forage Harvester w/1 row crop and pick-up head. good condition $1,500.

Badger 1416 3 btr. forage box w/roof w/Badger tandem gears, ~~$2900~~

Dion 2 btr. 16' forage box w/8 ton NI gears, $1600

NI 272 cutditioner excellent condition $2785

Taylorway model 200 217 disc harrow, 10' w/flex bearing hangers, 22" blades, new cond., $3550.

NI model 224 spreader w/hyd. gate, Gratz chain, good cond., ~~$3,800~~ - $3,400

NI 218 spreader with hyd. gate, cylinder & hoses, flotation tires, Gratz chain, good cond., ~~$3700~~ - $3,200

Dion 60" forage blower, good cond. $1385

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

FORRESTER FARMS
1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
Sales - Parts - Service

Ford 8N 1952
Ford 8N 1949
Ford 541 1959, offset
Ford 860 1955
Ford 1600 w/mower
Ford 3000 1966
Ford 4000 [SOLD]/cab
Ford 4000 1972
Ford 4000 1968
Ford 4000 1966, SOS
Ford 5000 1975, cab & dual power
Ford 5000 [SOLD]/cab
Ford 5000 1969, SOS
Ford 6600 1978, w/cab & air
Ford 6600 1977, w/Q-cab
Ford 6600 1976, w/Q-cab
Ford 6610, 10 hours
Ford 7000 1973
Ford 7600 1976 w/cab
Ford 8600 1972 w/dual power
JD 1120 1969 hi-lo
JD 2030 1973
JD 2130 1976
JD 2130 1975
(3) JD 2130 1975, 2 w/cab
JD 2130 1974
JD 3120 1972
JD 3120 1969
(2) JD 3130, 1 w/cab
JD 4230 [SOLD]/cab
JD 4040, 4 wheel drive, 1980
IH 966 1974 w/cab
IH 1086 w/cab
MF 1150 w/cab
Long 560 [SOLD]
Universal (Long 445) 4 wheel drive
Cab IH 656 [SOLD]
JD Cab for 2840
Case V

¼ Mile East of Exit 6 I-81 on U.S. 30
Hours: 8:30 - 5:00 Mon. - Fri.
8:30 - 12:00 Saturdays

LOST CREEK IMPLEMENT
Oakland Mills, PA 17076
717-463-3511 463-2161

JOHN DEERE

GREEN VALUE EQUIPMENT

Used 60 HP 2440 Tractor w/146 Loader, 16 SP Trans., Ind. PTO, Loaded, Sharp $13,000

TRACTORS

New 60 HP 2440, sale priced
New 110 HP 4240, sale priced

15 HP Satoh Beaver diesel, 4WD, $3,100
IH 400 tractor, $2,200 nice!
JD B tractor, excellent, [SOLD]
JD MT tractor w/plow & cultivators
9N Ford, sharp
Clark fork lift, 4000 lb [SOLD]

COMBINE

JD 6620 level-land, like new, 500 hrs.
New 4420 combine

TILLAGE

12' Pittsburg drag harrow, like new
JD F350, 4 btm. 16", special $2,000
JD 145 plow, 5 btm. 16", exc., $2,500
JD 1250 4 btm., 16" integral $1,395
JD 145 4 btm., 16", very good
Case 4 btm., 16", semi-mounted, $1,000
IH 401 harrow hyd control, very good, $595
JD 12' drag harrow, $525, good
JD KBA transport disc 10', $1,095
IH 10' disc, transport disc, $950
AC drag disc, $150
Case 7' Drag disc, $195
JD BW disc 10', $1,095

DRILLS & PLANTERS

10' Moore No-till drill, like new, $7,200
IH 56 4 row insecticide, nice, $1,500
JD 494A planter dry, good, $795
JD 494A planter for parts, $200
5400 White 6 row no-till dry, insecticide, monitor, $4,500

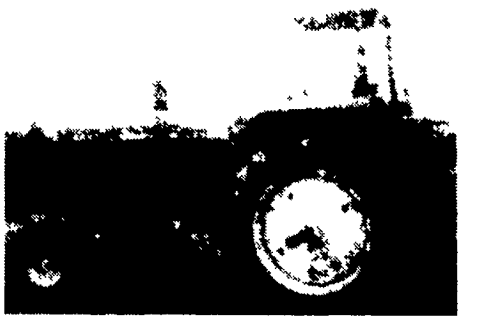
HAY & FORAGE

NI forage blower $895
JD 24T baler w/30 ejector, $2,495
Grimm hay tedder, $975
IH 440 baler w/thrower, $3,500
NH 818 harvester w/4 heads, $795
JD 38 forage harvester w/2RC
JD 800 SP windrower, 10' $2,250

MISCELLANEOUS

512 NH spreader w/hyd. endgate
IH 540 manure spreader, new chain, very good
MF 160 spreader w/hyd. endgate, good, $1,395
NH tank spreader
JD 227 picker for parts
7' heavy duty 3 pt. blade, $625
96" bucket for 145, 146, 148, 158 loader

JD Finance Waiver & Rebates On Most New & Used Items!



JD 4240 TRACTOR
1100 Hours, Dual Hyd., Diff. Lock, Like New
$17,000
717-532-6892

USED TRACTORS
Waiver of Interest until March 1, 1984
- '64 JD 4020 Diesel, wide front
- '68 4020 diesel, wide front
- '68 4020 diesel, power shift, cab
- '77 4430 diesel, no cab, quad range, 2655 hrs., sharp
- '76 JD 8630, 4WD w/dual 30.5x32 - 24.5x32 dual tires, 3765 hrs., nice condition
- TO-30 Ferguson
- '71 JD 4320
- '73 IH 766 wide front, 3 pt. hitch
- IH Super M

CORN PLANTERS
Waiver of Interest until April 1, 1984
- '82 AC Model 333, 15-20" Row, No-Till Bean Planter, Dry Fert., Insecticides
- JD 7000 8-30 Dry Fert. No Till Coulters Insecticides, Monitor
- IH 6-30 air planter
- JD 1250 plateless

USED PLOWS
- JD F145 - 5-16 Semi Plow
- JD F145 - 5-16 Semi Plow w/harrow attachmant

USED COMBINES
Waiver of Interest till January 1, 1985
- '73 JD 7700, hydrostatic drive, turbo, 16' platform
- '74 JD 7700 - Rotary Screen, Mud Hog Drive, 16 Ft. Platform
- '75 JD 7700 - Rotary Screen, 16' Platform
- '73 JD 7700 hydrostatic drive
- '76 JD 7700 rotary screen, gear drive, 215 flex cutterbar
- '80 JD 7720 4 wheel drive, 220 flex cutterbar

'81 JD 8820 4 wheel drive, factory duals, 1100 hrs., w/1243 corn head & 220 flex cutter bar, exc. shape

CORN HEADS
Good Selection of John Deere
443-444-643-843-1243 Cornheads

MISCELLANEOUS EQUIP.
- Farmhand tub grinder model 900 B, PTO Drive, 1000 RPM, tandem axle, 3 yrs. old, exc. cond. $8,500
- Bish head adapter to install JD corn head on NH TR70 combine
- JD 653 row crop bean head
- JD RG4 cultivator
- M&W 450 grain dryer, PTO dry
- JD 210 14' disc harrow
- JD 38 Harvester w/2 RW Head
- JD 38 Harvester, Electric Controls, w/2 RW Head, 5½' Pickup Attachment
- JD RG8 Cultivator, 8-30" Rows
- Tye drill 24 tine, double disc opener, 3 pt. hitch
- Caldwell grain cart, 700 bushel
- Graber 26" flex pull-type chisel plow
- IH 13' 2 bar chisel plow 3 pt.

W.N. COOPER & SON, INC.
Morgnec Rd Rt. 291
Chestertown, MD
301-778-3464

Year-End Super Sale!

A.C. 7060
PS, Cab, Air, Fully Weighted
$29,900

A.C. 6080 (DEMO.)
390 Hrs., Front & Rear Weights
$16,900

A.C. 6060
Front and Rear Weights
$13,995

N.H. 358 GRINDER MIXER
125 Bushel
$8,975

N.H. 847 ROUND BALER
Auto Wrap
$7,595

N.H. 679 MANURE SPREADER
275 Bu., Hyd. Endgate, Pan Att.
$6,495

N-5 COMBINE
with 15' Flex Header And N630 Cornhead-Updated To 1983 Model
$69,995

FK 2 Hy. COMBINE
with No Heads
$42,995

N.I. 324/327 CORNPICKER
2 Row Wide with 12 Roll Husking Bed
$9,750

N.I. 325/327 CORNPICKER
2 Row Narrow with 12 Roll Husking Bed
$11,650

N.I. 323 CORNPICKER
Single Row
$6,225

ALLIS-CHALMERS | AVCO NEW IDEA | SPERRY NEW HOLLAND

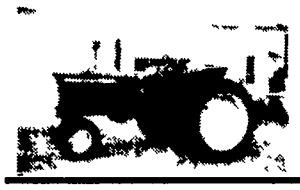
ITCO
Dealer for ITCO Corp.
• Over 9,000 items At Discount Prices

SHARTLESVILLE FARM SERVICE
RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

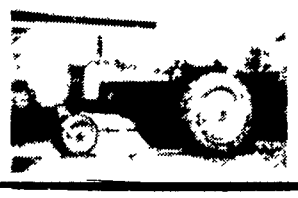
CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE

JOHN DEERE 2510 TRACTOR



Dsl, sngl hyd. outlet
good condition
priced at $5,695

JOHN DEERE 730 TRACTOR



Dsl,
was $3,850
Reduced to $3,450

JOHN DEERE 1530 TRACTOR

Dsl, sngl hyd. outlet
w/SAUDER loader
was $10,000
Reduced to $9,250

JOHN DEERE 2630 TRACTOR

Dsl, collar shift
sngl hyd. outlet,
new tires
was $10,200
Reduced to $9,500

DEUTZ 6807A TRACTOR

Dsl, 1981, Cab, MFWD, Radio
was $16,900
Reduced to $15,900

JOHN DEERE 4440 TRACTOR

Quad-Range, SG Body - Air/Htr
20.8-38 Radials 200 Hrs
Priced at $36,000
w/260 Hydraulic Loader
at $4,500

SATOH S550G TRACTOR

w/60" mower
good condition
Priced at $3,695

JOHN DEERE 2640 TRACTOR

w/Roll Gard - Weather Enclosure
Priced at $15,500

MASSEY FERGUSON 1085 TRACTOR

Dsl, Dual Hyd. outlets,
18.4-34 tires
was $8,500
Reduced to $7,900

JOHN DEERE 4010 DSL TRACTOR

16.9-34 Tires, Roll O Matic
Priced at $6,950

WINTER REPAIR SPECIAL
FREE ENGINE OIL CHANGE
WITH TRACTOR REPAIR WORK
$100 MINIMUM

10% OFF

On all John Deere Service Work
On Farm Tractors and Farm Machinery -
No Minimum-Thru March 1, 1984

DISCOUNT APPLIES TO ALL SERVICE WORK DONE IN OUR SHOP INCLUDING HAULING, LABOR, AND JOHNE DEERE PARTS USED PERFORMING THE JOB.
☆ FIELD SERVICE EXCLUDED ☆

Make all your farm machinery repairs now to avoid wasting valuable time and money in the busy Spring. Our mechanics are experts...call soon! - (717) 291-1046.

By Appointment Only
Sorry we cannot offer discounts on credit sales

Repair Financing Available Thru JDFP
Credit Approval Required

BONANZA

Looking for a good used tractor? See our selection and take advantage of finance charge waiver to March 1, 1984

* Availability of John Deere financing subject to approval of credit.

OUR SELECTION OF USED TRACTORS

JD 4440 Dsl, Quad, S.G. Body A/H w/JD 260 H.D. Hyd., Ldr.
JD 2940 Dsl, TSS Hi-Lo Trans.
JD 2640 w/Roll Guard and Enclosure
JD 4430 Dsl, P/S, SG Body A/H
JD 2630 Dsl, Row crop util.
JD 1530 Dsl, w/Sauder Loader
JD 3010 Dsl, Row Crop
JD 2510 Dsl
JD 730 Dsl
MF 1085 Dsl
MF 65 Dsl, Row cr[illegible]
MF 135 Gas, P/S[illegible]t, Hi-Lo
Ford 600
Ford 8N
DEUTZ 6807A Dsl., Cab, MF WD, AM-FM, tape
CASE 430 Gas w/Hyd. Loader

PRICES SLASHED

WE HAVE A FULL LINE OF NEW AND USED LAWN/GARDEN AND SNOW EQUIPMENT

USED NEW HOLLAND 1895 S.P. FORAGE HARVESTER

w/metal detector,
w/7½' hay pick up
w/4 row "N" row crop
Finance JDFP
No Finance Charges Until Sept. 1, 1984

USED JOHN DEERE 7720 DSL COMBINE

4 yrs. old; 1450 hrs.; cab w/air, heat, AM-FM radio; auto HHC; low shaft mon.; straw spdr.; w/215 flex plat.; 643 corn head, excellent condition.
Finance JDFP
No Finance Charges Until Jan. 1, 1985

USED MANURE SPREADERS

NI 218 Tandem 8 ton w/Hyd End reduced to..... $3000
NI 224 Tandem 10 ton w/Hyd End reduced to..... $3295
NI 214 w/216 Flail, Mech End reduced to $1395
NI 213 w/217 Sngl Btr, w/Hyd End reduced to $1395
NI 213 w/217 Sngl Btr reduced to $1195
Several NI 206 Ground Driven priced to sell

NI 206 SPREADERS NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

OVERSTOCKED! MUST REDUCE INVENTORY! PRICES AT COST!

206 New Idea Spreader Available With or Without Steel Wheels With or Without Endgate Att.

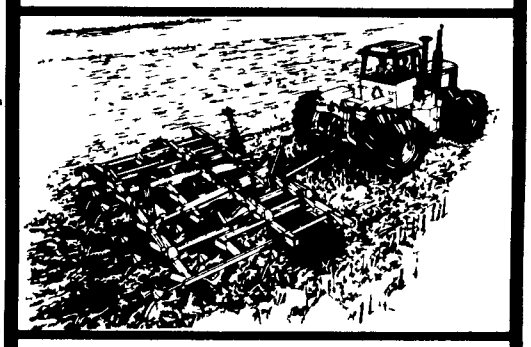
NEW JD TILLAGE TOOLS ---IN STOCK---

Disk Harrows
115 - 10'0" - Save $332.30
215 - 11'5" - Save $533.90
215 - 12'10" w/cush gangs - Save $572.90
315 - 12'10" - Save $800.90
235 - 18'6" dura cush center fold - Save $1444.10
1010 field cult 25½' flex, horiz fold - Save $885.30
1610 chisel plow 10' 3-pt. ht. - Save $176.60

JOHN DEERE

BOTTOM-LINE SPECIALS

Get a 5 or 10 percent discount on these new tillage tools AND pay no finance charge until March 1, 1984



Here s why it makes good dollar-saving sense to buy now Depending on the tillage tool you choose (see chart below) our dealership will give you our best deal and then deduct another 5 or 10 percent from the latest suggested retail base price For example this extra discount on an 18½-foot 235 Disk saves you more than $1 100

Finance with John Deere and finance charges will be waived to March 1 1984 Or lease and your lease payments will be discounted comparable in value to the waiver of finance charge

And remember if you buy during November or December you ll qualify for the 1983 investment tax credit and depreciation

Machine	Discount from Suggested Retail Price
Moldboard Plows	5 percent
Chisel Plows	10 percent
Field Cultivators	10 percent
Disks	10 percent
Mulch Tillers	10 percent
Mulch Finisher	10 percent

Availability of John Deere financing and leasing plans subject to approval of credit Leases not eligible for cash rebates or for cash in lieu of waiver This offer may be reduced in value or withdrawn at any time

LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

Ford Tractors Equipment — AVCO NEW IDEA — WE

SPECIAL
New NI 323 Picker
New NI Manure Spreaders

USED EQUIPMENT

Oliver 1850 Tractor
MM U302 Tractor
White 5100 4R Planter (Excellent)
JD 1250 6R Planter
White 264 12' 2 disc harrow (new)
MM 4B Semi Mtd Plow
White 508 4x18 SAR Plow
Ford #101 3 x 14 Plow (Excell)
Noble 25' Field Cultivator
Hesston 1014 Windrower
MM 3496 Combine, Cab, 2R Head, 12' Grain Head
White 8600 Combine, dsl hydro, air
NI 709 Uni 4WD w/838 husk unit
JD 24T Baler w/thrower
MF 120 Baler w/thrower
1068 Haybuster no-till drill (demo)
AC 6 Row 30" Corn Head, like new
Fox 728 2R Corn Head
Better Bilt 1100 Gal Liquid Spreader
Ford 10 h p Garden Tractor w/42" mower
Ford 7 h p Garden Tractor w/34" mower

STANLEY'S FARM SERVICE
RD Box 46
Klingerstown, PA
717-648-2088

USED FARM EQUIPMENT

Kubota L185, 15 hp, w/mower & snow blade
JD model 50 tractor
JD 620 tractor
JD L Tractor w/plow & cultivators
MF 220 tractor, 26 HP w/mower
IH 1086 tractor w/cab
JD F125, 4x16, 3 pt. plow
JD F145A 5x16 semi-mount plow
JD F350 4x16 hydraulic reset plow
Freeman loader for MF 135 tractor
NI loader
JD 709 rotary cutter
JD 336 baler w/ejector
JD 346 baler w/ejector
NH 855 round baler, 2 mth. old, like new
JD 567 6 wheel rake, like new
IH 56 corn planter w/disc openers
Oliver 10' transport disk
JD 494A Planter
JD 8300 grain drill, dd openers, 21x7
JD FBB 13x7 grain drill, excell. cond.
JD FBB 17x7 grain drill
JD FBB 17x7 grain drill for parts
JD 444 corn head
JD 7700 combine w/6 row corn head

NEW FARM EQUIPMENT SPECIALS

JD 2440 Tractor w/Hi/Lo Shift, Roll Guard & Canopy, 16 9-30 Rear Tires . . . $18,000*
* Above prices include JD rebates

JD 950 Roller Harrow 12	6133.00	5250.00
JD 146 loader	3576 00	2750.00
JD 1550 power tail seeder	10,996	6595.00
Artsway forage boxes 16' 3 beater w/roof	5287.00	4895.00

PACE VISA

NEUHAUS'ES INC.
John Deere Sales & Service
RD2, York, PA 17403
Phone - 717-428-1953

Coming Attractions...

84 FARMING FRONTIERS

Wed., JAN. 4th
7:30 P.M.
LYNNPORT FIRE HALL

• Prizes and Refreshments

10/15%
DISCOUNT ON PARTS!

★ John Deere Factory Fly-In
February 23rd and 24th
• Waterloo Tractor & Engine Works
• Moline Administration Center
• Harvester Works and Foundry
Ask for Information!

Year-End Savings!

COMPARE! These Prices Are Rock Bottom!
If You Need Equipment, Don't Miss Out...

NEW JOHN DEERE EQUIPMENT!

716A Forage Wagon, Complete, K.D. $6,500
JD Ind. 300B Tractor with Loader, Backhoe Avail. (with Rebate) $19,500

USED JOHN DEERE TRACTOR!

1977 JD 2840, 6 Cyl., 80 PTO HP, with Roll Guard, 158 Loader, Snowblade, 850 Hrs. $16,500

NEW NEW HOLLAND EQUIPMENT!

TD 200 13' Disk with 24" Blades $9,800
30 Blower $2,750
353 Grinder Mixer $5,800
1003 Bale Wagon $9,100

MISCELLANEOUS!

★ Used 60" Ber-Vac Front Mtd. 2-Stage Snowblower, Fits JD 950 Compact Tractor. Also Adapts To Japanese Tractor...Good Cond. — $775!
★ New 48 HP Diesel Agra Power w/40 Hours, 3 pt. Hitch, 540 PTO — Special $4,995! (Built by Fiat)

Brillion • Century • Woods • Vicon • Lely • Tye • Kuhn

John Deere Lawn & Garden & Snowmobiles
Many Short Lines Of Machinery
New Holland Machinery
Wheel Horse Lawn Equipment

KERMIT K. KISTLER, INC.
Serving Our Customers Since 1945
Lynnport, PA 18066
State Highway Rt. 143
Phone 215-298-2011

TO OUR VALUED CUSTOMERS

Thank You

- for your patronage
- for your friendship
- for your confidence in our integrity
- for keeping your accounts current so that we can do likewise
- for helping us to have a good year, 1983.

We trust that you've had a good year and a blessed Christmas. All of us can praise the Lord for many blessings - financial and/or spiritual, for the blessings of family and friends and the priviledge of living in a land of freedom and opportunity.

We look forward to serving your needs for parts, supplies, service, new and used farm equipment as we work together in 1984.

AUTHORIZED
SPERRY NEW HOLLAND
PARTS and SERVICE

STARLINE VANDALE
ROY A. BRUBAKER
SALES ★ SERVICE
Phone: 717-626-7766 or 626-1859
700 Woodcrest Avenue, RD3, Lititz, PA

INDUSTRIAL EQUIPMENT

Ford tractor loader 340, 3400, 4000, Ford TLB 4500, 445 w/extendahoe, 555, Ford 3610 w/cab and Lincoln welder, Ford 600 forklift, 4000 forklift, Ford skid loader 340, CL20, CL40, CL45, General roller 1½ ton, rollapack roller, Ingersoll Rand air compressor, Ford backhoe 15', Ford 757 backhoe, Sky Witch lift, homemade trailer, JD 6 ton trailer, General 9 ton trailer, MGS trailer

FARM TRACTORS

Kubota 345 4 wheel drive w/loader, JD 4510 w/loader (has 4020 engine) w/100 hours w/246A loader, JD 2510, JD A, Case 300, VAC, Satoh 25 HP, Farmall H, Super H, 140 w/blade, Cub lowboy w/blade, Cub 154, Ford 9600 w/cab, 5000, 4000, 3000, 2000, 800, Jubliee, 8N, 9N, Ford 7710, 5610 4 wheel drive, 5600, 4600 w/cab, 1900, 1700, 1310, 1200 w/loader.

CARS & TRUCKS

Chevrolet camper w/canopy, sleeps six, refrigerator, gas stove and gas heater, Louisville 9000 1974 290 Cummins engine, 10 speed Road Ranger transmission; Truck tractor Louisville 8000 1974 3206 Cat engine, paint good; Ford dump truck F600 tires good; Ford ½ ton, Chevrolet pickup w/service body.

MISCELLANEOUS

Walk behind snowblowers, Hanson 3 pt. 4' snowblower, McKee 4' front mounted snowblower, Ford snowblower, IH snowblower, Wheel horse snowblower, blades for Wheel Horse, Ford, IH, and MF

We Have Ford Toys Available For Shipment
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Kerosene Heaters Reduced

Ford 8¼% interest Waiver till April 1, 1984	Kubota 10.5% interest	Cub Cadet, Buy Now, No payment till March 15, 1984

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Farm - Industrial Equipment
Sale & Service
Ford, IHC, Kubota, Woods,
Bush Hog, Danuser, Little Giant
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USED EQUIPMENT

TRACTORS

JD 4240 w/SG Body, 530 hrs.	$28,000
IH 1086 w/cab, 1180 hrs.	$18,500
IH 1066 w/cab	$10,900
IH 656D, reconditioned	$ 6,900
MF 1085	$ 7,900
MF 1080	$ 5,900
JD 950 D/6' mower, 450 hrs.	$ 6,900
JD 950 D/75 Loader, 155 hrs.	$ 7,500
Ford Jubliee w/loader and plow	$ 3,500
JD A	$ 1,100

COMBINES

82 JD Sidehill w/15' Flex Head	$69,000
78 MF 750 w/Heads	$28,000
78 JD Sidehill	$40,000
68 JD 45	$ 5,000

PLANTERS

JD 6R Consv. w/Dry Fert, 2 yrs. old	$ 9,000
JD 4R Max-Emerge	$ 5,900
MF 468 4R and 6R Planters	$ 1,000
(3) 2 Row JD Planters	$300 and up
IH 4R 456 Planter	$ 1,200
JD 1240	$ 1,800
JD 1460 6 Row	$ 3,500
JD 8350 21x7 DD Drill, new Discs	$ 4,500

TILLAGE

JD 950 12' Roller Harrow	$ 2,700
JD 1450 5x16 Plow	$ 2,900
Pittsburg 14' Disc	$ 1,900
Pittsburg 12' 3 pt. Harrow	$ 590
Ford 6' 3 pt. Disc	$ 750

HARVESTING

IH 650 Harvester w/3 heads	$ 2,100
JD 3800 Harvester w/3 heads	$ 5,500
NH 770 Harvester w/2 heads	$ 3,500
NH 36 Chopper	$ 1,500
JD 1209 Mower/Conditioner	$ 3,500
JD 716 Forage Wagons	$ 4,000
JD 750 Grinder-Mixer w/scales	$ 4,500

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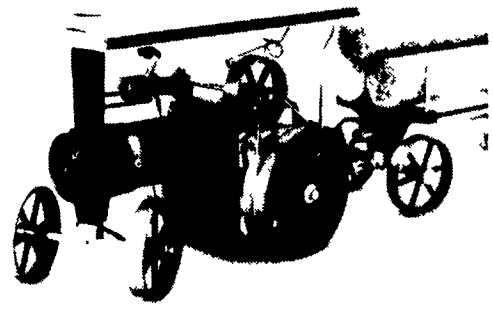
TOBIAS EQUIPMENT CO., INC.
Halifax, PA 17032
Phone: 717-362-3132

NEW! LIVE STEAM TRACTORS



This working replica was used years ago in lumber Camps and Threshing Runs These tractors come complete with Brass Boilers Copper Steam Pipes Steel Fire Box Cylinder Piston and Whistle that actually blows Made of Brass Uses water and burns solid fuel supplied Takes 3 5 minutes to raise steam then will go ⅓ of a mile Self Propelled Develops 1/15 Hp 3000 rpm 10" long 7" high 5" wide Weight 3½ pounds Fitted with reverse control sight glass and steering extension Can also be used to drive workshop models N A T R Award winners Made in England A real work of Art gleaming and Beautiful Makes an ideal Mantel piece $109 95 Postpaid

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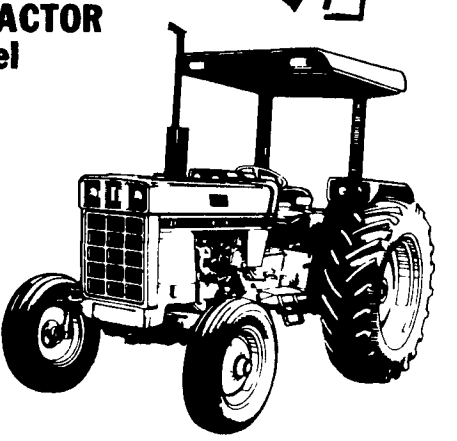
2250 QUICK-ATTACH LOADER

GOOD USED TRACTORS

- IH 1086D w/Cab & Air
- IH 1066D w/Cab New Rubber

IH 884 TRACTOR Diesel

72 HP PTO



- **268 Cu. In. Engine**
- **16 Speeds Forward, 8 Reverse**
- **540 & 1000 RPM PTO**

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IH 1086 w/cab (excellent)
IH 656D Hydrostatic Drive
Farmall H
IH 574 D Tractor

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IH 3 Beater 160 Spreader
NH 365 Tank Spreader
New Idea 243 w/Gate
NI Model 214 3 Beater Spreader Excellent Condition

TILLAGE
Glencoe 13 shank Chisel
JD 350 6 bottom auto reset Plow
IH 311 plow
IH 37 Disk Harrow
Athens 9 Shank High Clearance Chisel Plow
Glencoe 7 Shank Soil Saver
Brillion 9 Shank High Clearance Chisel

MISCELLANEOUS
JD 3 Section Rotary Hoe
New Idea 1 Row Pull Type Corn Picker
NH 354 Grinder Mixer
NH 352 Grinder Mixer
NH Model 155 Elevator 24 Ft
Lilliston 72' Rotary Shredder
IH 2355 Loader, Demo

PLANTERS
IH 800 4 row corn planters, dry fertilizer, monitor, insecticide, excellent condition Don't Miss This Good Buy Waiver Till Next March 1984
IH 400, 6 Row, Monitor, Fert Attach Insecticides, Fully Equipped
IH 56, 4 Row, Fert
Int 56, 2 Row
Ontario 16 Disc Grain Drill (Nice)

HAY & FORAGE EQUIPMENT
NH 268 Baler & Thrower
JD 24T Baler & Thrower
Used N H 1495 S P Haybine w/12 Ft Rolareel Header Ex Condition
NH 469 Haybine
NH 495 Haybine 12 Rolareel End w/Transport Ex Condition
JD 3800 Harvester 2 Row Cornhead & Pickup Att
Gehl Model CB600 w/2 Row Cornhead & Pickup Attach
IH Model 56 Blower, H D PTO
IH Model 60 Shredder, 6 Narrow Rows, 4 Transport Wheels, Cylinder & Hose (Excellent)
IH Model 56 Blower, New Band
NH Model 890 Forage Harvester w/Electric Controls, New Knives, 2 or 3 Row Cornhead & Pickup Attachment
NH Model 1469, 9 Ft Self Propelled Haybine w/Ford Engine
NH 479 Haybine Excellent
Int 555 Harvester w/2 Row Corn Head
NH 234 Wagon w/Flotation Tires, Adjustable Tongue
NI 4 Row Shredder
NH 278 Baler w/58 Thrower
NH 38 Flail Chopper, Excellent
Badger Silage Box, Tandem Axle Like New

SKID STEER LOADERS
NH L425 Skid Loader
NH L775 Diesel Skid Loader
Owatonna Skid Loader, 38 HP, Water Cooled

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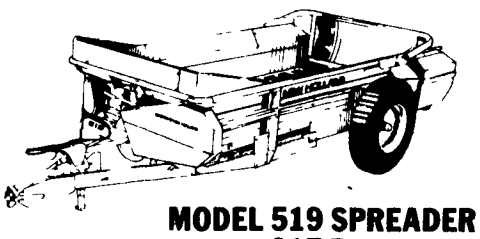
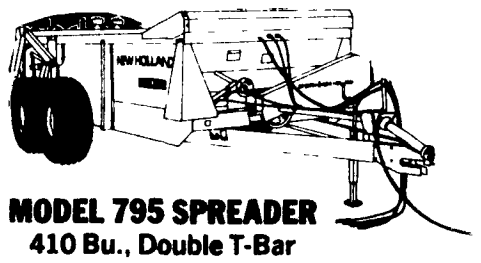
FROM THE SPREADER LEADERS
8 MODELS TO CHOOSE FROM

MODEL 791 SPREADER
360 Bu., Extra Heavy Pintel Chain



MODEL 519 SPREADER
217 Bu.



MODEL 795 SPREADER
410 Bu., Double T-Bar Chain

NH L445-THE IDEAL SKID LOADER FOR ALL SIZE SPREADERS

Super Boom- The Loader with the Extra Reach

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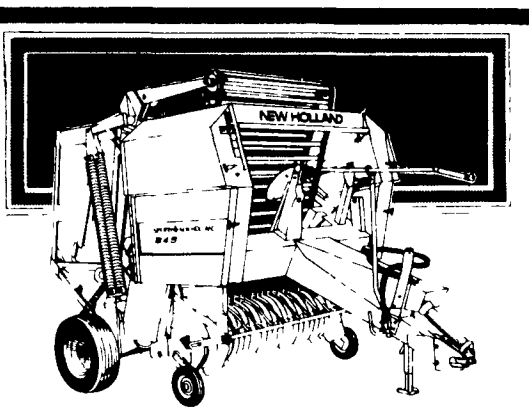
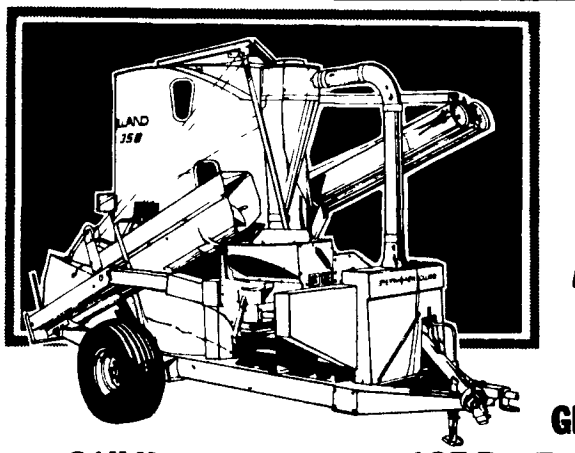


Perfect Bales and Unmatched Capacity

N.H. 849 Round Baler (Corn Fodder Special)



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NH 358 GRINDER-MIXER

- **21" Hammermill**
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- **Hydraulic Drive**
- **Optional: Scales**

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Case 930 Dsl, WFE
MF 175D 8 speed
MF 135G
MF 235G
JD 1520 Diesel
JD 2010G
JD 4010 Dsl.
AC D17, PS
AC D15 Series II
AC WD45
Farmall Cub w/Attch.
Farmall Cub w/mower
Farmall 504 3 pt.
Ford 9700 Dual Power
Ford 8000 Tractor
Ford 7000 Fully Equip.
Ford 5000 D
1971 Ford 4000 Gas
Ford 4000, live PTO
Ford 3000 8 Speed
Ford 2000, PS
David Brown 1200
David Brown 780
Satoh Elk w/mower
JD 18' wing disc
MF 33 Grain Drill
NI 206 Spreader
NI 216 Spreader
MF 6' Rotary Cutter
NH Flail Chopper

TRACTORS & LOADERS
Ford 4000 w/3 pt.
(2) 3400 3 pt.
Ford 9N
Ford 8N w/Loader
Ford 3000 D w/Snowplow
Ford NAA w/Snowplow
Ford CL40 skid loader
Ford 801 backhoe
Satoh 650 PS
MF 2200

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USED EQUIPMENT

TRACTORS
JD 4440 PS w/Cab 917 Hrs. (Sharp)
JD 4040 QR w/Cab 1300 Hrs
JD 650 Repo w/Turf Tires
JD 820 3 cyl Diesel
MF 265 Diesel
MF 135 Gas w/Loader
IH Farmall M Tractor
IH Farmall Cub w/Rotary w/Sickle Bar
Oliver 66 Gas
AC 190XT Series III Diesel

MISC. EQUIPMENT
Small Houg Pay Loader
Mighty Mac Skid Loader
Sauder Loader (Like New)
JD FB-A Grain Drill
JD 727 13' Rotary
JD 272 Rotary Mower
Ford Rotary Mower
Case 330 Baler
Gehl 9' Mower Cond Thrower for MF Baler

Year End Clearance on New Equipment

7-Shank Soilmaster	5,150 00
JD 1710 Mulch Tiller	4,995 00
Grain-O-Vator	4,500 00
Moore 10' No Till Drill	10,500 00
GT 37 Dryer	7,500 00
Badger Blower	1,995 00
Badger Ear Corn Mill	8,900 00
Badger 220 Bu Spreader	4,900 00

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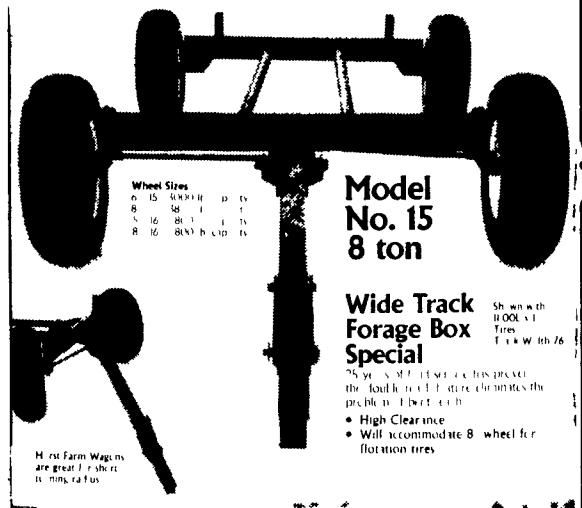
Horst Wagons with the honest ton rating, and no sway training

4 models to choose from 4 8 10 and 14 ton capacity



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- High Clearance
- Will accommodate 8 wheel for flotation tires

Horst Farm Wagons are great for short turning radius

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Dismantling Combines for parts over 200 all makes and models. Call before you come.

IH 64, 76, 80, 82, 125, 127, 141, 101, 151, 91, 93, 203, 303, 403, 503, 205 & 815. JD 12 A, 25, 30, 40, 45, 55, 95, 105. AC 60, 66, Gleaner A, C, CII, E, or L. MF Clipper, 26, 27, 70, 80, 90, 72, 82, 92, 35, 300, 410 & 510. Oliver 33, 35, 40, 430, 525 & 545. Ford SP & pull 701 NI Uni tractor, NI Uni - 705D (ear corn unit), combine & shellers, Case 800 & 660, 600

COMBINES
E Gleaner, 3 row narrow corn head, cab, 10' grain head
IH 205 w/10' grain head, 2R corn, $4200
IH 105, cab, grain & 2 row corn, $2500
C2 Gleaner w/2 heads
Gleaner A2 w/cab & grain head & corn head, $3650
NH 985 cab with quick-tach grain head
MF 410 Diesel w/grain & 4R 30" cornhead
MF 300, cab, 13' grain head, 2 row corn head, $3500

TRACTORS
VAC Case, tires like new, $685
Late Farmall H, good shape
IH 1206 wide front end, torque & 3 pt., 120 HP, nice shape.
IH 560, fully equipped
AC C tires, like new
Late JD A w/hydraulics
JD 60 w/live PTO, $1050
IH 3444 Diesel, industrial loader tractor, $2475
IH 330 w/loader and power steering
VAC Case, 3 pt., hydraulics, $750
Oliver 77 gas, $675

TILLAGE
JD RWA 14' wheel disk, $875
JD 1450 6 btm. 16" plow, $1750
3-IH 10' & 12' wheel discs
10' transport roller harrow

MISC.
NI 213 spreader w/new drag chain & sides, $1275
Hawk Bilt tank spreader, $575
2 Dodge Buses, good running condition, makes good hay truck or campers.
Wide Front Ends; Oliver 77, Massey 44
(2) 50 bushel spreaders, $150 & 200
Case spreader, $275
2 sets of 18x38 rear tractor, dual wheels
New Zimmerman 32' elevator, $1450
IH loader for H or M, $185
Sauder loader, $100
3 pt. Hesston round balemover, $450
Dump trailer will haul 12 T shelled corn, suitable for tractors 100 HP or over
IH PTO spreader, $375
JD 1450, 6 btm., 16" plow, on land hitch, $1575

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts
JD 2010, 70D, 4010, IH 560 D, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD, WC, D17. Oliver 70 & 77. Ford 8N, Ford 6000D. Case SC & V.A.C., DC. Massey 44D, 333, 30, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler. JD 70 G, Oliver crawler, 2 Oliver crawler loaders.
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Only (2) RS 500T-4 Star Tedders	20%
Only (2) H 1240 8 wheel V Rakes	20%
Only (4) H 620 4 wheel Rakes	25%

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Prices Held while Quantity Lasts
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CLEANUP SALE

	List	SALE
JD 55 combine, square back, 12' platform w/pu 2 RW	$8500	$5500
JD 1050 tractor, 320 hrs, like new	$9500	$7500
JD LA tractor w/plow & cult	$2500	$1500
JD 1209 M-C	$3500	$2500
JD 336 baler w/30 ej & 2 Hyd Cyl	$6500	$5000
JD 1550 O-till Seeder	$8000	$5000
JD 145 plow 5-16, SH & Trashboards	$2500	$1500
JD 2 row - row crop 38"	$700	$300
JD Round Bale Grapple w/Cyl.	$875	$400
JD Grapple Fork for Skid Steer Loader	$400	$185
JD Furrow Filler Attachment For Disc	$145	$85
JD 1240 Plateless Planter	$2600	$1800
JD 567 Rake, (4 Wheels)	$900	$400
JD Cushion Gang Attachment 115 Disc	$700	$495
JD Rear Hitch F/Chisel Plow or Plowing Disc	$125	$75
Kools Blower, 1000 RPM	$1200	$750
IHC #16 Harvester	$1000	$400

NEW PARTS AND ATTACHMENTS

	List	SALE
JD 7000 4R Marker, Complete	$700	$350
JD 7000 4R Dry Fert Attachment	$732	$350
JD 7000 Quick-Fill Dry Fert . 4 R	$895	$450
6R	$925	$475
Dual Wheels, (Snap On) 20 8-38	$800	$450
JD Manure Spreader Web, One 36" Wide, Chuck Wagon	$349	$175
Web for JD Model 34 & 40, 49" W	$303	$200
Complete Harrow Runners	$85	$40
JD 1441 Steel Moldboards	$95	$45
JD NU 16" Moldboards	$120	$75
JD Trash Boards, Complete	$35	$20
JD Hyd Valve For Loader	$500	$250
JD RG, 2840-2940	$575	$300
JD Enclosure 2840 & 2940	$250	$125
JD Weather Shield For Utility Tractors	$200	$100
Rear Tractor Chains 13 6x16	$175	$100
Rear Tractor Chains 18 4x30	$395	$275
JD Material Bucket 60", Fits 145-146-148-158	$500	$375
JD Material Bucket 72", Fits 145 - 146 - 148 - 158	$550	$425
JD 3 pt Hitch for 300 Series Garden Tractor	$400	$200
JD Windshields For Snowmobiles	$30	$15
2 JD 7000 No-Till Coulter s Brackets	$700	$400
JD Side Bale Turner	$175	$75
JD 12' Harrow Draw Bar w/ Cable Hitch	$150	$75
Used Silo Doors (Silver Shield Silo)	$35	$10
Used JD Gear Box For 15-15A 16-16A Chopper	$450	$200

A Lot of JD Misc. Parts & Attachments Not Listed

Earl Auker
717-463-2394
(Formerly Auker-Ena Eq., Inc.)

USED TRACTORS
JD 4240 quad, range, cab & air
JD 4430, cab, air, quad range trans.
JD 4430, power shift, roll guard
JD 4430 powershift, cab & air
JD 4320, no cab
JD 4320 w/cab, sharp
JD 4520, new tires
JD 4520, new tires
JD 4520 w/cab & duals;
JD 4320 w/rollguard
JD 4020, power shift
JD 2940, w/roll guard w/500 hrs.
JD 2640 w/700 hrs.
JD 2020 diesel
JD 3020 gas
JD 3020 Diesel, Syncro
JD 3020 powershift
JD 2030
JD 720 diesel electric start
IHC 986 cab & air, sharp, 1000 hrs.
IH 966, cab and air
IH 1466 w/cab
IH 766
IH 1256 w/cab
IH 656 wide front
IH 574 w/loader
IH 544 diesel
Ford 9600
AC 7030 w/cab, real nice
AC 7030
AC 210 diesel
White 4-180 w/duals, quick coupler, used 2000 hours.
MF 1105
MF 1100

USED COMBINES
JD 7700 diesel w/6 row corn head
JD 6600 Diesel
JD 4400 w/4R cornhead
JD 55 corn special
Oliver 525 w/2 heads, exc. cond.
NI 702 tractor w/710 combine
NI 702 w/chopper & 3 row head

USED HARVESTERS
Fox 2 row snapper head
Used Moridge grain dryer
Late Model NI 702 uni tractor w/767 Super Chopper, 3 row head & pickup head
Fox 2000
Fox Custom 90
NH 770 w/2 heads

MISCELLANEOUS
1980 Chevy tandem w/26' Jerdan rollback, like new
JD power till grain drill
IH 510 grain drill
IH Bigroll baler
JD 346 wire baler w/thrower
JD 346 twine baler w/thrower
NH 278 baler
Keewanne 20' hydraulic fold disc
JD 21' hydraulic fold disc
Large selection of smaller discs
Large selection of plows from 3 to 7 bottom
Gehl 4400 skid steer loader
NH 469 haybine
New Farmhand loaders for IH and JD tractors

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CLUGSTON IMPLEMENT, Inc.

NEW TRACTORS
JD 4250 SG, PS, MFWD
JD 4050 SG, PS
JD 2950 SG, MFWD
JD 2950, SG
JD 2550
JD 300B Loader & Backhoe
JD 850

NEW HAY & FORAGE EQUIPMENT
NH 782 Fg. Harvester
JD 5440 SP Fg. Harvester, 4 WD, 1180 hrs.
JD 3940 & 3960 Fg. Harvester
JD 347 Baler
JD 327 Baler
JD 430 Baler
NH 311 & 316 Balers
NH 849 Round Baler
NH 488, 495 & 1495 Haybines
NH 256 Rake
JD 670 Rake
JD 660 Rake
H&S Fg. Wagon
H&S Bale Wagon
New Hay Tedders

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 4B Plow
Haybuster No-Til Drill Also for Rent

NEW SKID STEER LOADERS
NH 445, 555
Bobcat 643, 743

NEW SPREADERS
NH 519, 679, 791
Martin 2400 V Type & F1466 Scavengers
H&S 260 & 295 Spreaders

NEW PLANTERS
JD 7000 6 Row Consv.

USED TRACTORS
JD 2030
JD 2030 w/reverser
JD 4010
JD 3020
Farmall A w/Hyd. Lift
MF 265
MF 235
MF 65 Dsl. w/loader
MF 20
MF 202
Satoh w/mower

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 7000 6RN Cons.
JD 7000 6RN w/min. till attach.
White 5400 6RN Plateless

USED HAY & FORAGE EQUIPMENT
Hesston PT10 Mower-conditioner
NH 479 Haybine
JD 2 Row Narrow Corn Heads
NH 2 Row W 880 Head
NH 269 Baler w/Thrower
NH 78 Baler
JD 24T Baler
Hesston 1010 Swing Tongue
JD 640 Rake

USED MISCELLANEOUS
Oliver Fertilizer Spreader
JD 790 Flail Spreader
V1575 Martin Spreader
Post Hole Digger

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
Demco Sprayer 600 gal.
JD #27 Flail Shredder

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Phone: 717-263-4103

bobcat SPERRY NEW HOLLAND

NEW EQUIPMENT

TRACTORS
JD 2150
JD 2350
JD 2550
JD 2750
JD 4440 w/SG & QR

TILLAGE EQUIPMENT
JD 235 19'11" Disc
JD RM4 Cultivator
JD 1250 3B Plow
JD 1010 Field Cultivator
JD 1610 Chisel Plow
JD 415 Rotary Hoe
Glenco SSP 7B Soil Saver

HAY TOOLS
NH 489 Haybine
NH 58 Thrower
JD 337, 347W Balers
JD 3940 Harvester
NH 38 Crop Chopper
NH 311 & 316 Balers
NH 451 Mower
NH 256 & 258 Rakes
NH 782 Harvester
NH 1037 Bale Wagon

COMBINES & HEADS
JD 215 Flex Platform
JD 643 Corn Head
JD 6620 Combine
JD 213 Flex Platform
JD 444 C. Head
JD 4420 Combine

OTHER EQUIPMENT
JD 158, 175, 245, 260 Loaders
JD 1065, 1075 Wagons
JD 78 Blade
NH 230 Wagon
Century 500 Gal. Sprayer
DeLaval Manure Pump

PLANTING EQUIP.
JD 7000 Cons. Pltrs. 4R & 6RN
JD 8200 18x7, 21x7 Plain Drills

USED EQUIPMENT
JD 4020 Tractor
IH 966 Tractor
JD 2040 Tractor
NH 791 Manure Spreader
NH 320 Wire Baler w/hydraformatic & quarter turn chute
AC K2 Combine
JD 643 Corn Head
JD 244 Corn Head
JD 7000 6R Planter w/Dry Fert.
NH 770 Fg. Harv.
Fox 3000 Fg. Harv.

84 FARMING FRONTIERS

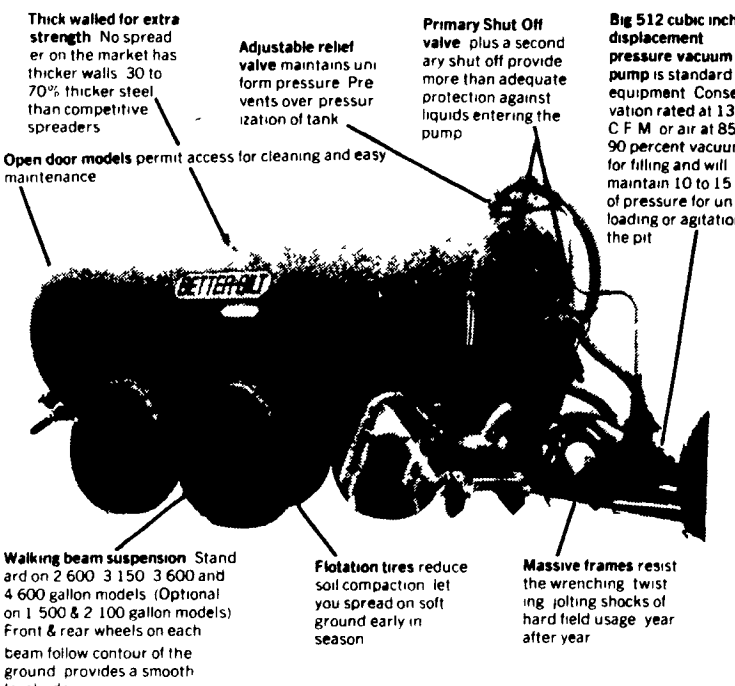
Thursday, Jan. 5th 1984
10:00 AM Till?
Special Discounts on JD Parts Bought and Paid on JD Day If Account is Current

WAIVER OF INTEREST ON MANY ITEMS
I. G. SALES
DeLAVAL JAMESWAY
Silverdale, PA 18962
215-257-5135
Quonset Buildings

BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS
537 E. 28th Div. Hwy. Lititz, PA 17543
717-626-6198

Outstanding Features


Thick walled for extra strength No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over pressurization of tank
Primary Shut Off valve plus a secondary shut off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure vacuum pump is standard equipment Conservation rated at 135 C F M or air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
BETTER-BILT
Walking beam suspension Standard on 2 600 3 150 3 600 and 4 600 gallon models (Optional on 1 500 & 2 100 gallon models) Front & rear wheels on each beam follow contour of the ground provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching twisting jolting shocks of hard field usage year after year

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

1 - 1974 Ford LT 9000 tandem axle tk tractor with PT 270 Cummins engine, 6 speed Fuller trans., power steering, air slide 5th wheel, good 10.00x20 tires.

SPECIALS

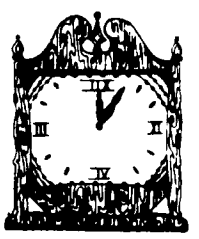
1 - Used JD 430 Tractor, WF Axle, Nice Cond.
1 - Used 2 Knife Plow Down Attachment For 3150 Spreader, Used Very Little
11 - Used 1500 gal. Better Bilt vacuum spreader
1 - Used 2100 gal. Better Bilt open door vacuum spreader w/ tandem axle in ex. cond.
1 - Used Better Bilt plow down attach. to fit a 1500 gal. liquid spreader

Attn: Shop Mechanics
1 - Used John Beam front end allignment tool, complete

CALL US FOR YOUR NEEDS OF
• Farrowing Crates • Lagoon Pumps
• High Pressure Pumps

HAPPY NEW YEAR FROM ALL OF US IN THE PARTS DEPARTMENT

PARTS MANAGER - RICHARD BOMBERGER
ASST. PARTS MANAGER - ROY WEAVER
ASST. PARTS MANAGER - JOHN STONER
PARTSMAN - KENNETH BEILER
PARTSMAN - ALPHA YODER
PARTSMAN - DON HARNISH
PARTSMAN - DWIGHT HERSHBERGER
PARTS CLERK - HENRY ESHELMAN
STOCKMEN - CLARANCE, JIM, JOHN



OUR PLEDGE FOR 1984
MORE FRIENDLY SERVICE WITH QUALITY AT A RIGHT PRICE.
(WATCH FOR OUR MONTHLY SPECIALS)

Visit Us At The

PENNSYLVANIA FARM SHOW

STEIGER
Space #74-77
and
INTERNATIONAL HARVESTOR DISPLAY
Space #65-71, 80-93, 102-115

ups United Parcel Service

C.B. HOOBER & SON INC.

INTERCOURSE, PA 717-768-8231

★ CALL US - WE PROBABLY HAVE IT ★ WILL SHIP SAME DAY VIA UPS-PPSH-BUS-AIR FREIGHT-ETC.

master charge VISA

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

USED BELTING MATERIAL RUBBER MATS FOR

Comfort stalls, Free Stalls
Horse Stalls, Horse and Cattle Trailers,
Hog Houses

Paul N. Brubacher
215-286-5298

MANURE SPREADERS

Large Selection USED (2) NI 214's, 213 Flail w/gate, 212, NH 670 w/gate, (2) NH 518's, 512, NH 362 Barrel Spreader, 202 Ground drive, IHC 530, JD Barrel Hyd. Slide Top, Starline 830 Roto Spreader Hyd Top, Hawk Bilt 157 Barrel, Clay Vacuum Liquid Manure Spreader. Plus wide selection of NEW Spreaders - over 60 Units - see Hedlund Martin Low Profile "Spread-All" with 50' side spread pattern, NI 244 8.5 Ton tandem Hyd gate.

USED TRACTORS

AC 7040 w/cab & air, 7030 w/cab, 7000 w/cab, 7000, 200, 190XT w/cab, 190 w/loader, 175D, 170 w/loader, 5050, D 19 Gas, D 17 Gas & Diesel, D 17 Series III s/c w/loader, D 15 Series II 3 pt, WD 45, D 14, D 12, D 10 w/mower, B, C, CA, G.
FORD 5000D, 4000 Gas w/loader, 2000 w/loader, 801 Powermaster, 800, 601, 8N.
MASSEY FERGUSON 265 D, 175 D w/loader, 165 Gas, 150, 135 w/loader, 135 Gas P S (640 hrs.) 65, 50, 35, 30 D w/loader, 20 w/turf tires, Ferg 35, MF 40 Tractor Loader.
JOHN DEERE 2640 D, 3010, 2020, 1020, 2440 w/loader, 3020 D Power Shift side consul, 4020 w/cab, 630, 40 w/snow plow, B w/loader, M w/mower & plow, H.
IHC 806D, 706 D, 544 w/loader, 504 3 pt, 364 D, 340 w/loader, 230, 140 High Clearance w/cultivator, H wide front end, Super A, Cadet w/mower.
KUBOTA M 4500 4wd Tractor w/loader - BEST BUY.

FEEDING ACCESORIES

Used Hay & Grain Elevator w/motor, NH 358 & 352 Grinder Mixers, GEHL Mix All, IHC Mixer Mill, Tub Grinder F 890, DION, NI, IHC, GROVE, BIG BLUE Forgae Wagons, NI Corn Pickers 1 & 2 row, HESSTON Stack Mover, 10W & Stack Processor 10, NEW UEBLER Silage Elevator 20' w/motor, 15' dump wagon, FORD Power Units, Various sizes, Like New IHC 110 w/rool, 3 beater forage wagon, GEHL 940 3 beater Forage Wagon w/roof.

INDUSTRIAL

AC 840 Articulating Pay Loader, AC 715 D & B Tractor Loader Back hoes, HD 4 Track Loader, H-3 Dozer w/6 way blade, I 400 Backhoe, 706 B Fork Lift w/cab, 615 Tractor Loader, Grader, JD 440 Log Skidder, JD 401 Loader, 350 Dozer w/6 way blade, Industrial MF 165 w/angle snow plow, FORD 4500 Tractor Loader, 3 pt, PTO & Cab, CASE 850 Dozer, GRIZZLY 3 pt Backhoe, 3 to 5 Ton Industrial Roller, BOBCAT 611 Skidsteer w/Deutz Diesel Engine - just rebuilt, FORD 801 Fork Lift.

MISCELLANEOUS

SHAVER Post Driver, GRIMM PTO Hay Tedder, AC & Wheel Horse Garden Tractors w/snow Blades, AC Short & Long Hopper Blowers for Sawdust etc., 8' Big Beaver Scraper Blade, 4' Snow Plow, Hyd 4 way Blade, Dunham Lehr Loaders, BRILLION Cultipacker Seeders, GMC Power Unit w/PTO Clutch, 1 & 2 row IHC & JD Potato Diggers, MYERS ST 90 Power Angle Snow Plow, AC 8' Grain Drill, JD 1550 3 pt PTO Seeder, AC Snow Blowers, 6' Jeep Mtd Snow Plow, Reset Plows - IHC & FORD 3 btm 3 pt, JD 4 btm 3 pt, AC 4 & 5 Btm, FORD 4 & 5 btm, AC 716 H L & G Tractor w/42" mower.

Call Us For Your Snow Plow NEEDS
Largest USED Selection in Area.

SPECIAL
NH Skid Steer Loader, Only 150 Hours, Very Good Condition, Manure and Material Buckets, Excellent Buy.
$8,975

MARSHALL MACHINERY INC.
5 Miles East of Honesdale, Pa.
NE Corner of Pennsylvania Rte 652
717-729-7117
SALES & SERVICE
for AC, KUBOTA, HESSTON, BRILLION, STARLINE, NEW IDEA

WISCONSIN Heavy-Duty ENGINES

6 to 65 H.P.

★ SPECIAL ★
FACTORY SURPLUS

MODEL TJD
18.2 H.P.

Baler Replacement
Crank Start
w/Fuel Tank
$725.00

(Dealer Prices On Request)

• Authorized Service Center • Complete Rebuilding • Large Parts Inventory

FISHER ENGINE SERVICE
3141 Old Phila. Pike
Bird-in-Hand, PA 17505
717-768-3729

VERMEER | HEDLUND MARTIN INC | Vicon

NEW EQUIPMENT

- Vermeer 605H Baler
- Vermeer 504G Baler, Demo
- Vermeer & ScrantonBale Movers
- (1) Vicon 600 lb. spreader
- (3) Vicon 950 lb. spreaders
- (1) Vicon 1900 lb. Fert Spreader
- (1) Vicon 15' Power Harrow
- (1) Vicon RP 1200 Round Baler
- (1) New Vicon 1200 Round Baler
- (1) Vicon SP450 Square Baler w/Thrower
- (1) Vicon 8' Mower Conditioner
- Haybuster 1068 Semi-Mounted No-Till Drill
- Martin 12[SOLD]nger II Spreader

USED EQUIPMENT

- Vicon 10' Power Harrow
- Farm System Flail Spreader, Left Side Loading
- Hesston 12' Hydro Swing Haybine
- Pequea Hay Tedder

RED WING FARMS
R D. #1, FLEETWOOD, PA 19522
NEW PHONE NUMBER: 215-944-0402

Jan. 1, 1984

Dear Valued Customer,

This year was certainly a challenge for all of us and sometimes in the rush of business, we may forget to say thank you.

Without you we could not exist. We will always do our best to be of complete service to you and to satisfy you.

We do appreciate your business. But most important of all, we wish you and your family a New Year filled with health and prosperity.

Binkley & Hurst Bros., Inc.

OWNERS
David Binkley - Owner & Parts Mgr.
Leonard Hurst - Owner & Sales Mgr.
Amos Hurst, Jr. - Owner & Service Mgr.

SALES STAFF
Amos Hurst, Sr.
Noah Hurst
Don Hoover

SERVICE STAFF
Isaac Hurst - Parts Dept.
Joe Garman - Parts Dept.
Raymond Rutt - Mechanic
Walter Martin - Mechanic
Clair Horst - Mechanic
Clifford Horst - Mechanic
Milton Horst - Set Up & Delivery
Roy Horst - Set Up & Delivery
Leroy Weber - Truck Driver

M.M. WEAVER & SON, INC.

47th ANNIVERSARY SALES DAYS

December 27, 1983 thru January 6, 1984

OPEN HOUSE on Wednesday, January 4, 1984

Inventory Reduction

Last Chance for '83 Tax Savings!

Factory Discounts!

Year-End Deals!

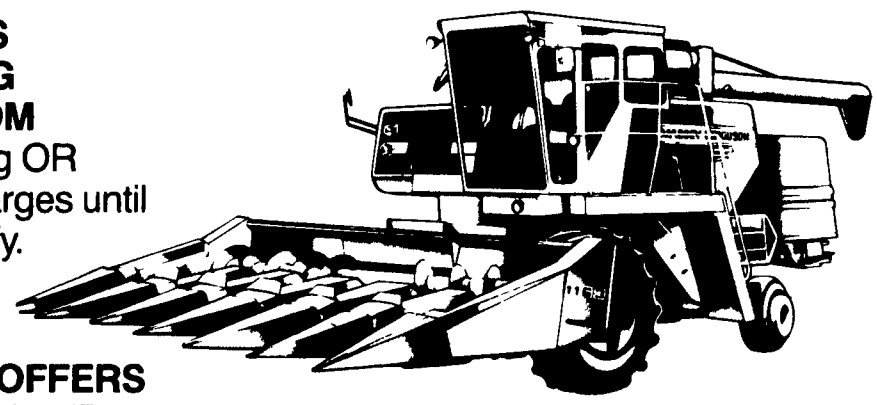
See us now for the best prices...best deals on the Massey-Ferguson equipment of your choice. Our inventory reduction of selected models means huge savings for you!

NEW TRACTORS

- **BIG FACTORY DISCOUNTS**
- ***PLUS* YOUR CHOICE OF MONEY-SAVING FINANCING OPTIONS...** Either low 9.9% APR financing **OR** waiver of finance charges to June 1, 1984 when you finance with MF.

NEW COMBINES

- **BIG FACTORY DISCOUNTS**
- ***PLUS* TWO MONEY-SAVING FINANCING OPTIONS FROM MF...** Get 9.9% APR financing OR choose waiver of finance charges until Aug. 1, 1984 when you qualify.



IMPLEMENTS

- **SPECIAL MONEY-SAVING OFFERS** on MF Tillage Implements, Drills, Tractor Loaders, Swathers, Rectangular Balers.

MF Massey Ferguson

Your Business Machines

MF financing subject to qualifying credit & down payment

Act now! Offers must expire soon.

NEW EQUIPMENT SPECIALS

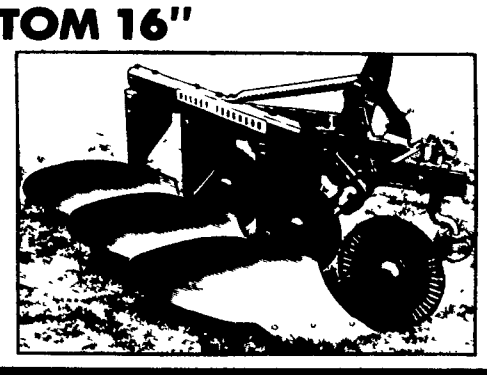
MODEL 345 SPRING RESET 3 BOTTOM 16" PLOW with SPRING CUSHION COULTERS and COVER BOARDS

List Price $3,532.00

SPECIAL PRICE $2500.00

Only 4 Left

MF MODEL 43 3 BOTTOM 16" PLOW



List Price..... $2,310.00

SPECIAL PRICE ... $1550.00

Only 2 Left

MF Massey Ferguson

M.M. WEAVER & SON, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23 1½ miles Northeast of Leola on the No Groffdale Rd 1 mile on the right, opposite Groffdale Mennonite Church

47th ANNIVERSARY

SALES DAYS

■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

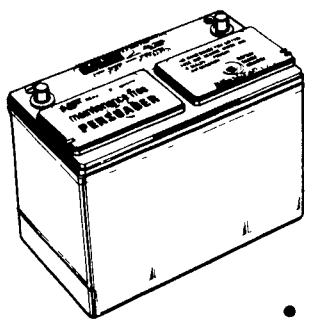
DECEMBER 27, 1983 thru JANUARY 6, 1984

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon
Closed Dec. 26 and Jan. 2
All Items Subject To Availability

WINTER SALE ITEMS

MF BATTERIES

20% OFF Regular Price

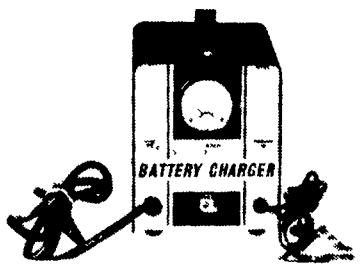


Massey-Ferguson Batteries for all your needs

Tractor
Combine
Truck
Automotive

- Longer Battery Life
- Greatest Possible Starting Capacity
- More Consistent Performance
- Safer Battery Handling

BATTERY CHARGERS



- 20 AMP 19513A91 List $116.50
  SALE $93.20
- 6 AMP 19512A91 List $53.90
  SALE $41.95

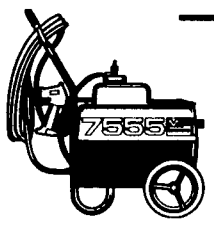
STARTING ETHER

- Starts stubborn engines in seconds
- Prolongs Battery Life
- Sprays to 65° below zero
- 8.3 oz. Can 830.999M1
  List $1.93 SALE $1.59
- 11.0 oz. Can 841.543M1
  List $2.19 SALE $1.75

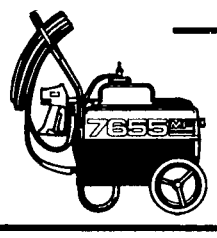
Case Lots Additional 2% OFF

PRESSURE WASHERS

The 1983's are out! Purchase your Massey Ferguson Pressure Washer and save time and money Stop in today and see how simple these machines are to operate All you do is connect a garden hose to the pressure washer, plug in the electrical cord, add cleaning chemicals and that's it!



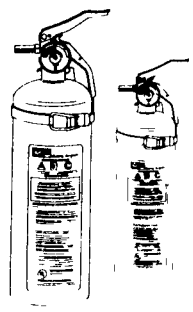
$371.45 SALE PRICE
MF 7555 List Price $437.00
Nozzle Pressure 500-550 PSI,
Concentrate Capacity 2½ gal.



$456.45 SALE PRICE
MF 7655 List Price $537.00
Nozzle Pressure 600-650 PSI,
Concentrate Capacity 2½ gal.

$1126.25 SALE PRICE List Price $1325.00
MF 7750 Nozzle Pressure 750 PSI, Concentrate Capacity 7½ gal.

FIRE EXTINGUISHERS



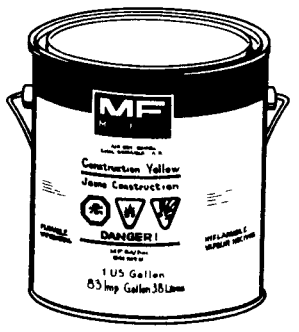
Don't be caught without protection!

Install reliable Massey-Ferguson Fire Extinguishers in your home, the barn, animal pens, on tractors and combines. They're made of Heavy duty carbon steel with non-corrosive parts, inside and out, and operate with positive on-off squeeze grip; feature easy reading waterproof gauges.

	List	SALE
• 5 Lbs. 20•005A91	$28.75	$24.45
• 10 Lbs. 20•006A91	$50.15	$42.62

20% OFF REGULAR PRICE

Paint



Match or restore, with original equipment colors

- Dries dust free.
- Available in aerosol, quart and gallon containers.
- Will not wrinkle or blister.
- Resists discoloring from chemical spills.
- Cures to a hard luster finish.

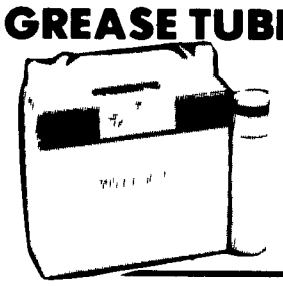
ALL PURPOSE JACK

(Same As Handyman)
7,000 lb. Capacity

19-988A91 List $54.00
SALE $45.90

LUBRICANTS

GREASE TUBE CARTRIDGES



841618M1 Tubes
85¢ ea.
Pkg. of 10 Tubes
$8.40

UNIVERSAL HYDRAULIC FLUID PERMATRAN III

Universal extreme pressure transmission and hydraulic fluid. Stock one oil for all your farm equipment.

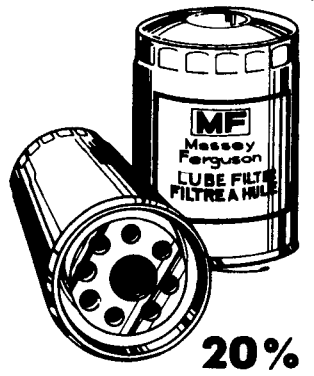
• 2½ Gal.	Per/Gal...	$5.56
• Bulk Price (Bring Your Own Container)	Per/Gal...	$5.25
• 55 Gal. Container	Per/Gal...	$4.85

15% OFF REGULAR PRICE

★ Bring Your Own Containers - Get Bulk Price

"BUY QUALITY"

QUAKER STATE MOTOR OIL



Fu l C
Hydr
Filters f
formula
required
perform
life

20% OFF R

GREASE G

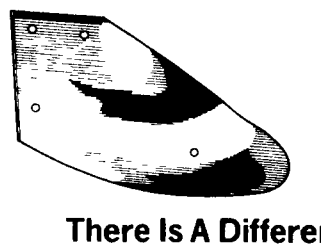
- Lever Action 1902683M92 $9
- Pistol Action 1904778M91 $16
- Flexible Grease Hose 1902-684M91 $3

HAND

- Cleans hands w
- Contains antise
- Works fast

1 Lb. 1900 292M
List $1.67
4½ Lbs. 1900.293M2
List $7.33

TILLAGE I



20
Re
• SH

There Is A Difference; 3 La
• Longer Life • Shock Resist

TWISTED CHISEL I

- Heat treated, tumbled & varnishe
- ½" thick for longer wear
- Fits 2¼" centers for 7/16" plow b

DF4995R 3x½x22R.I
DF5995L 3x½x22L.I

Special Shi

MF WAREHOUSE CLE
Twisted Chisel
Weathered Bu

DF4995R 3x½x22
DF5995L 3x½x22

10% OFF ON ALL OTHER PARTS
Sold Over Counter From
DEC. 27 to JAN. 6, 1984
★ Cash And Carry ★

Massey Ferguson

M.M. WEAVI

EOLA, PENNA. 17540
PHONE: 717-656-2321

Lo
on
Ro
Ch

OPEN HOUSE

SPECIAL 1 DAY ONLY - WEDNESDAY, JANUARY 4, 1984

LUNCH WILL BE SERVED 11-2

Maintenance and Operation Seminars
10:30 A.M. Tractors
2:00 P.M. Combines

★ Representatives from various manufacturers will be on hand to demonstrate products and answer questions
★ Join us during Open House for Fun & Fellowship

FILTERS

Fuel Oil - Hydraulic - Air
Filters for every need — specially formulated to give exactly the flow required. Promotes better performance and longer engine life

OFF REGULAR PRICE

SE GUNS

List	SALE
$9.15	$ 7.75
$16.74	$14.22
$3.01	$ 2.75

ND CLEANER

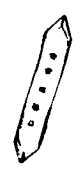
hands with or without water
ns antiseptic
fast
)0 292M2
7 SALE $1.25
12
SALE $5.50

GE PARTS

20% OFF
Regular Price
• Shins • Moldboards
• Shares

nce; 3 Layers of Steel For:
k Resistant • Less Cracking

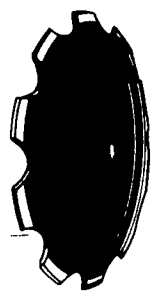
ISEL POINTS
varnished



6" plow bolts
x½x22R.H. $7.95
x½x22L.H. $7.95

al Shipment
JSE CLEARANCE SALE
d Chisel Points,
ered But New
3x½x22R.H. $6.50
3x½x22L.H. $6.50

TILLAGE PARTS



Disc Blades

- High concavity for greater draft and more soil action
- Plain and notched styles for various field conditions
- Center holes sizes available to fit non Massey-Ferguson machines

				SALE
20" Plain	7 Ga.	1904-669M1	1 1/8x1¼	$15.18
20" Notched	7 Ga.	1904-670M1	1 1/8x1¼	$17.40
22" Plain	6 Ga.	1904-676M1	1 1/8x1¼	$20.96
22" Notched	6 Ga.	1904-677M1	1 1/8x1¼	$23.45
22" Plain	6 Ga.	1904-728M1	1½ sq. 1¾ rd.	$20.96

Weathered Disc Blades In Stock

- 16" plain 11 ga. 1" round $5.00
- 16" notched 11 ga. 1" round $5.00
- 18" plain 11 ga. 1" square $7.00
- 18" notched 11 ga. 1" Square or 1¼ Round $8.00

SPRING CUSHION SHANK

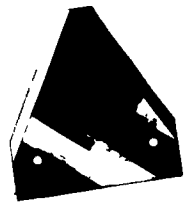
Simple design allows lift up to 6½" to clear rocks, etc. Returns itself to working position. Gives vibrating tillage action. 1"x2"x26"

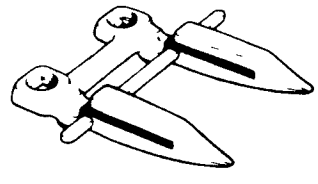
SALE $70.00

VIBRATING "S" TINE TEETH AND SWEEPS

- VS1 1½" Rev. Tooth ..... SALE $1.50
- VS2 2¾" Spoon ..... SALE $1.35
- VS4 4" Duck Foot ..... SALE $1.69

CUTTER BAR PARTS





20% OFF REGULAR PRICE

HITCH PARTS

TOP LINKS

Category 1	SALE
• 16" Center, 30105E91 ..... 20½" to 30½" Adj.	$15.52
Category 2	
• 16" Center 30107E91 ..... 20½" to 30½" Adj.	$21.74

DRAWBAR HITCH PINS

	List	SALE
• ¾" Dia. 6¼" Length 30281E1	$2.97	$2.67
• 7/8" Dia. 6¼" Length w/Linch Pin 30152E91	$5.89	$5.30
• ¾" Dia. 6¼" Length w/Linch Pin 30151E91	$4.51	$4.05
• 7/8" Dia. 6¼" Length 30282E1	$3.91	$3.52

LINCH PINS

- 7/16 Dia. ..... 30¢ ea.
  or 4 For $1.00

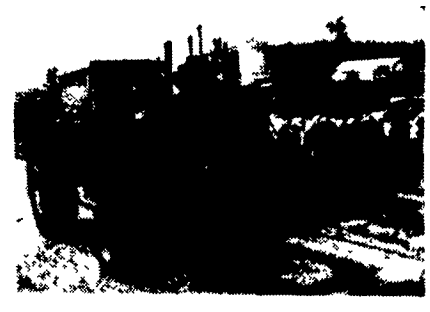
WAGON SURPLUS PARTS

	SALE
• 15x10 Rims, 6 Lug	$20.00
• Quick Hitch Tongues	$35.00
• Solid Tongues	$15.00

ACCESSORIES SPECIAL

- 1000 Lb. Ea. Wheel Weights 1100-1130-1150 Pair For $750.00
- 19974A91 Front End Steel Weights All 100, 200 & 1000 Series Tractors

$35.00



- 2418 745, 48" Bucket less cutting edge $95.00

48-60" Fork Dirt Plate $10.00

AVER & SONS, INC.

40
21

Located: 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church.

BONUS SAVINGS! AN ADDITIONAL 2% On $500 Or More If Processed Before Sales Days. Please Mail Or Call Large Parts Orders Now For Processing Prior To Sales Days.

FOR MORE SPECIALS TURN THE PAGE►

47th ANNIVERSARY

SALE

December 27th thru January 6th
Closed Mon., Dec. 26th and Mon., Jan. 2nd

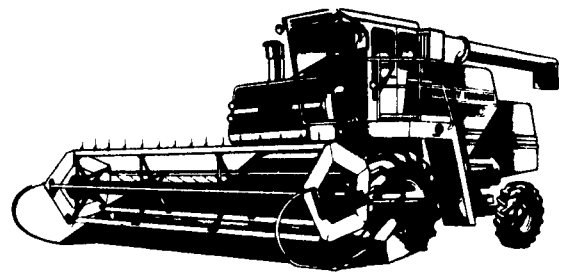
GOOD USED EQUIPMENT

Inventory Reduction

USED COMBINES

SPECIAL MONEY-SAVING FINANCING

Buy now & finance with MF at a low 10.9% APR...or choose waiver of finance charges to May 1, 1984 on selected used combines.



- 1981 MF 750 Hydro Straw Chopper 16 ft. Floating Grain Table 800 hrs. $49,000
- 1980 MF 760 Hydro V8 with 15 ft. Grain Table and Grain Saver $52,000
- 1978 MF 550 Hydro Diesel with 4 Wheel Drive $36,000
- 1977 MF 750 Hydro with Grain Saver $29,000
- 1977 MF 750 Hydro with Grain Saver $26,000
- 1977 MF 510 Hydro Diesel $17,500
- 1976 MF 750 Hydro with Grain Saver $19,500
- 1976 MF 750 Hydro with Chopper $27,000
- 1975 MF 760 Hydro V8 . . . . . $24,000
- 1975 MF 750 Hydro $22,000
- 1975 JD 3300 Diesel with 13 ft. Grain & 2 Row Corn Head $17,500
- JD 343 Corn Head 3 Row 30" $3,000
- 1975 MF 510 Diesel $17,000
- 1975 MF 760 Hydro V8 . . . . . $24,000
- 1974 MF 760 Hydro 6 Cyl. $22,000
- 1973 MF 750 Gear Drive with Grain Saver . . $24,000
- 1973 MF 760 Hydro 6 Cyl. $21,500
- 1972 MF 510 Diesel Gear Drive $9,500
- 1972 MF 510 Diesel Gear Drive $10,500
- 1972 MF 300 Gas $8,500
- 1972 MF 510 Diesel Gear Drive $12,500
- 1971 MF 410 Diesel $7,500
- 1971 MF 410 Gas $7,500
- 1971 MF 510 Diesel $12,500
- 1970 MF 510 Diesel $10,500
- 1970 Case 1665 Diesel $5,000
- 1970 MF 510 Diesel $12,500
- 1969 MF 510 Diesel $11,500
- 1968 MF 510 Diesel $8,000
- 1968 MF 510 Diesel Hydro $12,500
- 1968 MF 410 Gas $5,000
- 1967 MF 410 Diesel $5,000
- 1966 MF 410 Gas $2,500
- 1966 MF 300 Gas $3,500
- 1966 MF 510 Gas with Floating Cutter Bar . . . $4,800
- 1965 MF 410 Diesel $4,500
- 1965 MF 300 Gas with 11 ft. Table $2,900
- 1964 AC CII Gleaner with Corn & Grain Head . . $6,000
- 1960 AC A Gleaner $1,500
- JD 45 with Grain & Corn Head $1,900
- JD 45 with Grain Head $500
- IH 303 with Grain & Corn Head $1,500
- MH 82 with 10 ft. Grain Head $1,200

Above Combines Include Grain Tables Less Corn Heads
61 Corn Heads in 2, 4, 6 and 8 Row Size

- New Idea 2 Row 30" Pull Type Picker Sheller . . $5,500

USED TRACTORS

SPECIAL

New MF 2805 Diesel Tractor, 190 HP, 24 Speed, Air Conditioned, Cab & Heater, 20.8x38 Axle Mounted Duals

List Price $69,277
Less Special Discount $20,000

$49,277

- MF 165 Diesel $4,500
- MF 35 Diesel $2,500
- MH 333 Gas $1,000
- Ford 4000 Diesel on Steel $2,700
- JD 50 . . . . . $1,900
- JD B $600
- Farmall 656 Diesel $5,800
- IH 107 Cub Cadet $900
- Ariens 1138 Lawn Mower $1,100
- Ford 8N $1,900
- Ford 9N $1,500

SERVICE SPECIAL

MF MASTER CS CERTIFIED SERVICE

MF Certified Service

FARM EQUIPMENT DOES NOT BREAKDOWN WHEN YOU ARE NOT USING IT...BUT THAT'S THE BEST TIME TO REPAIR IT!

10% DISCOUNT ON PARTS USED ON MAJOR OVERHAULS OVER $500 DURING THE MONTH OF JANUARY 1984.

SCHEDULE YOURS NOW!

TAX TIP

PURCHASE YOUR NEW EQUIPMENT BEFORE JANUARY 1, 1984 AND TAKE ADVANTAGE OF BIG SAVINGS.

MF Massey Ferguson

M.M. WEAVER & SON, INC.

Leola, PA 17540
(717) 656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

USED EQUIPMENT

- MF 880 Hyd. Reset 6-16" Plow $1,900
- MF 82 Spring Trip 3-14" Plow $650
- JD Spring Trip 2-16" Plow $650
- Oliver Spring Trip 3-16" Plow $850
- MF 43 Spring Trip 2-16" Plow $950
- MF 43 Spring Trip 3-16" Plow $950
- IH Fast Hitch Spring Trip 3-16" Plow $400
- MF 345 Automatic Reset 3-16" Plow SOLD $2,200
- MF 730 Offset 10 ft. Disc Harrow $3,750
- 36 Blade Transport Disc $300
- 24 Blade Pull Type Disc $150
- Ford Transport 32 Blade Disc $500
- Brady 3 pt. 9 Tooth Chisel Plow $1,100
- Dunham 3 pt. 8 Tooth Chisel Plow $1,150
- Brillion 11 ft. Packer SOLD $400
- MF 129 Front Mtd. Cultivator $300
- 3 Section Harrow $75
- 3 pt. Weeder $25
- MF 428 3 pt. 4 Row Rolling Cultivator $1,500
- Tye 10 ft. No Till Grain Drill $8,900
- Danuser Post Hole Digger $875
- Century Sprayer $850
- Glenco 7 Tooth Soil Saver $4,250
- Farmhand Corn Processor $3,200
- (2) Kilbros Gravity Box and Wagon . . . . . @ $2,200
- Tonutti 4 Wheel Hay Tedder $1,750
- Farmhand 6 Wheel Rake $1,200
- M-C 9 ft. Rotary Scythe $3,900
- Badger 14 ft. Forage Wagon $950
- Circle Saw Buck $100
- Myer Snow Plow $400
- 3 pt. Snow Blower $1,200
- E.Z. Gravity Box and Wagon $880
- Danuser Log Splitter SOLD $800
- N.H. 707 Harvester with Hay Head $900
- N.H. 707 Harvester with Corn Head $1,200
- Mohawk Rotary Cutter $395
- N.H. Super 717 Harvester $950
- MF 925 Demo Haybine $4,500
- Fella 2 Wheel Hay Rake and Tedder $1,200
- M.M. 5 Bar Pull Type Rake SOLD $100

START NEXT YEAR'S HARVEST TODAY

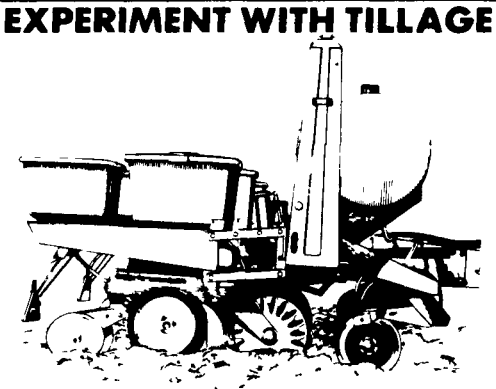
Order John Deere equipment now to prepare land and put in next year's crop

Only one left in stock
$40,500
No Trade

40 SERIES LEFTOVER CLEARANCE SALE

Model 4440 powershift, sound guard body with air, duals available. This tractor must go. Waiver of finance till May 1984.

EXPERIMENT WITH TILLAGE



This Max-Emerge conservation planter works in nearly all field conditions.
Save Up To $7500 in JD Rebates.
Waiver Of Finance Until April 1984.

TRADE 'N SAVE ON TAXES

Investment credit...
full-year depreciation:
Get both by trading now
on the following equipment
we can deliver right now

The management of Oxford Greenline would like to thank their customers for their patronage throughout the year and would like to wish them a happy holiday season and a prosperous new year.

This Week's Used Equipment Specials

JD 2520 gas, wide front, repainted, extensive repairs made
$5,500

1979 6650 Fox self-propelled harvester w/rear wheel drive, heater, 3 row corn head & hay pickup
$26,000 no trade

IMPLEMENTS

Combines

JD 6620 combine w/643 corn head and 200 series flex platform, power rear wheel drive repossessed, exc. condition
JD 6620 combine w/643 corn head and 200 series flex platform, repossessed, exc. condition
JD 4400 combine w/443 corn head and 13' platform
AC L2 combine w/6 row corn head and 15' flex platform
1981 JD 7720 combine w/643 corn head & 215 flex platform, 4 WD, only 850 hrs.
JD 7700 w/643 corn head, 216 platform
JD 443 corn head
JD 95 combine, engine completely overhauled w/4 row wide corn head & 13' platform

Tractors

JD 4020 diesel, wide front, power shift
JD 4630 tractor, cab, air, quad range trans.
JD 8640 tractor, repossessed, low hrs., cab, air
JD 4230 tractor, quad range trans. w/Sound Gard body
JD 4230 tractor, quad range w/rollguard
JD 2520 w/WFE, gas, side console

Used Hay Equipment

479 NH haybine
PT 10 Hesston mower conditioner
1209 JD mower conditioner
24T JD baler w/model 30 ejector

Other Implements

7000 6 row JD planter, liquid or dry fert
1240 4 row JD planter, dry fert.
1440 4 row JD planter, dry fert.

OXFORD GREENLINE, INC.

Hours: 7:30 AM - 5:00 PM thru Fri.
7:30 AM - 12:00 PM Sat.

RD 1, Oxford, PA
215-932-2753
215-932-2754

PAGE

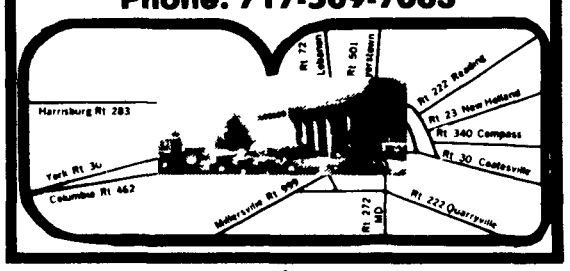
John Deere design, dependability and dealers make the difference

JOHN DEERE

USED TRACTOR SALE

NOW AT

LANCASTER FORD TRACTOR INC.
1655 Rohrerstown Rd.
Lancaster, PA
Flory Mill Exit off Rt. 283
Phone: 717-569-7063



SPECIAL OF THE MONTH
New JD 2600 5-Bottom
Spring Reset Plow
List $9686
Sale $7000. No Trade

NEW TRACTORS

JD 650 MFWD
JD 750 MFWD
JD 2350
JD 2640
JD 2750
JD 2950
JD 2950 MFWD
JD 2950 MFWD & Cab
JD 4050 RG, PS
JD 4250 Cab, PS

NEW EQUIPMENT

JD 7000 Cons. Planter 4 Row Dry Fert
JD 7000 Cons. Planter 4 Row Liquid
JD 712 Mulch Tiller, 11 ft. 3 in.
JD 1610 Chisel Plow, 8 or 10 ft.
JD 950 Roller Harrow, 12 ft.
JD 1250, 3-16" Plow
JD 1250, 4-18" Plow
JD 415 Rotary Hoe
JD 1209 Mower-Cond., 9 ft.
JD 1326 Mower-Cond.
JD 327 Baler w/30 Ejector
JD 430 Round Baler
JD 567 Wheel Rake
JD 450 Hydra-Push Spreader
JD 240 Loader w/73" Bucket
JD 66 Forage Blower
JD 716A Forage Box
JD 506 Rotary Cutter, 5A.
JD 709 Rotary Cutter, 7 ft.
JD 5½ & 7 ft. Hay Pick-up

USED EQUIPMENT

JD 1520 Gas Tractor w/145 Loader w/Roll Guard & Canopy
JD 307 Rotary Cutter
JD 3 14" Plow
JD 246 Corn Planter, 2 Row
FB-A Grain Drill, 13x7
JD #18 Corn Picker 3 Pt. Sprayer
IH Cub Lo-Boy w/5 ft. Woods Belly Mower
JD 850 Tractor w/Turf Tires, 112 hrs.
JD 60 Skid Steer Loader, like new
JD 70 Skid Steer Loader
Case 1537 Skid Steer Loader
JD 216 Forage Box w/1065 Wagon
Badger Forage Box w/3rd Beater & Roof
Hesston 1090 Haybine, 9 ft. 3 in.
JD 480 Mower-Conditioner
JD 640 Rake, 8½ ft., 5 Bar, Sharp
JD 40 Spreader w/Rear Pan
JD 54 Spreader w/Hyd. Endgate
JD 7000 4 Row Planter w/Coulters, Dry Fert.
JD 694A 6 Row Planter w/Hyd. Markers
Case 5 Bottom Plow
JD 65 Rear Blade, 7 ft. like new
Speeco Post Hole Digger
Star Post Hole Digger
Flatbed Utility Wagon
JD 2 Row Wide Corn Head

Miller-Lake, Inc.
R.D. #2 Box 273A
Belleville, PA 17004
Ph. (717) 935-2335

JOHN DEERE

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

SLURRY BUGGY
Vacuum tank Liquid Manure Spreader

1500 gal. tank will load in approx. 1½ minutes

2900 gal. tank will load in approx. 2½ minutes

1500 & 2900 gal. tank spreaders designed to load and unload fast to save you time.

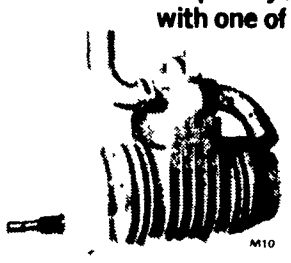
Standard:
* Large 192 CFM model M 10 MORO pump
* 6" hose inlet for fast loading
* Hydraulic rear valve and indicator
* Moisture trap and secondary trap for pump protection
* Load level indicator and sight glass
* Heavy duty walking beam suspension on 2900 gal. model

Option:
* Giant vacuum pump, 350 CFM for loading heavier liquid manure (Wally model 750)
* 6" hand side valve for easy loading
* 2 and 4 tooth injectors for injecting your manure

Buy your own spreader and you can:
1 - Haul your manure when and where you want to.
2 - Help keep your farm disease free by hauling your own manure.
3 - Use spreader in summer time for hauling water to water your crops or garden.
4 - Use spreader for hauling liquid fertilizer or feed.
5 - Put on injectors and inject your manure, save on fertilizer $ and keep your neighbors smiling. (less smell).

Look at our Prices:
1500 gal. spreader with used 1000-20 truck tire - $5,375
With new 26 ply air craft tire - $5,695
2900 gal. spreader with used 1000-20 truck tire - $6,800
With new flotation tires - $7,300
Prices include 14 foot of suction line

Farmers replace your old pump with one of ours



- Rotor Speed 1000 RPM's
- Air Capacity 192 cfm
- PTO Speed 540 RPM's
- Built in two way value to change pump from vacuum to pressure.
- Built-in oiler to lubricate pump.

VACUUM PUMPS, HOSES, TRAPS, VALVES, ACCESSORIES

SLURRY BUGGY EQUIPMENT

RD 2 Box 148 **717-859-3869** Ephrata, PA 17522

---

case | GEHL HESSTON FARM EQUIPMENT | SAME

★ USED EQUIPMENT SPECIALS ★

USED TRACTORS
Case 870 w/Cab & Air Cond.
Case 870, Power Shift
Case 885 w/Loader
Case 570 w/Loader
Case 930 Case 1030
Case 1070 Case 1370
MF 1085 MF 1135
JD 3010 Int. 1086
Allis Chalmers WD45

USED SKID STEER
Gehl 2600
Gehl 4500 (1979)
Case 1845 Gas or Diesel
Case 1845 (1979) Exc. Cond.

USED WINDROWERS
Hesston 420
(3) Case 555's
Gehl 1090

USED BLOWERS
Fox Blower (2) Gehl 99
Oliver (Kools)

WAGONS
(2) Grove Wagons w/Hyd. Drive, 16'
Grove 16' w/3 Beater Roof & 12-Ton Tandem Wagon - Exc. Cond.
Jerdan 3 Beater w/12 Ton Running Gear & Hyd. Drive
JD 216 Wagon, 16' 2-Beater

USED HARVESTERS
IH 830 w/2-Row Narrow and Hay Pickup
Gehl 83 w/1-Row Head, Hay Pickup & Direct Cut Head
Gehl 3 Row Wide Cornhead
(2) Gehl CB600's
Gehl CT300
Fox Super 1000
JD 3800

USED PLOWS
JD 3-Bot. 14" Trailer
JD 4-Bot. 16" Mounted
Ford 5-Bot. Semi Mtd. Plow

USED BALERS
Hesston 5540 Round Baler
Hesston 5600 Round Baler
Case 230 Conventional Baler w/kicker
Hesston SH10 Stacker

MISCELLANEOUS
Case Disk
Gehl 95 Grinder Mixer
Sauder Loader For 8N
Several Farm Loaders
Cagle 500 Sprayer
187 Hawk Bilt Spreader
NI 90 Bu. SOLD ure Spreader
5' Sidewinder Mower (New)

STOUFFER BROS. INC.

1066 Lincoln Way West, Chambersburg, Pa.
Phone 717-263-8424

HAPPY NEW YEAR

SPECIAL T.L.C. SERVICE SPECIAL

10% Discount January & February 1984

On all IH parts used to repair equipment in our shop.
We work on all makes... financing available.

NO MILEAGE CHARGE FOR PICKUP AND DELIVERY

PLUS FREE HAULING UP TO A 50 MILE RADIUS DURING DEC. 1983

Announcing Waiver of Finance on New and Used Tractors and Equipment plus Low Prices.

584 diesel utility, 16.9x28 rear tires, 52 HP	14,500
584 diesel, 4 wheel drive, 52 HP	17,600
684 diesel row crop, TA, 18.4x30 rear tires, 62 HP	17,200
884 diesel row crop, TA, 18.4x30 rear tires, 73 HP	19,990
720 5-18 reset plow, steel trash plates	8,800
4500 16' vibra shank field cultivator	2,800
560 manure spreader, 250 bushel capacity	5,150
56 blower	2,550
1300 3 pt. 7' sickle bar mower	2,200
881 forage harvester w/2 row corn head and grass head	18,000

WANTED: DEAD OR ALIVE ROUND BALER BUYER

One Only IH 2400 Round Baler
$8,200 Cash

LOCAL GROWN USED TRACTOR

1066, 130 HP, 1975 model, 20.8x38 rear tires, one owner, we sold it new, we serviced it, used 2500 actual hrs., guaranteed
$14,500
Waiver of finance available until 3/1/84.

LOCAL GROWN USED TRACTORS & EQUIPMENT

Waiver of finance available till 9/1/84 on some items

Massey 225 D w ldr, used 1150 hrs	$13,000
Farmall M 51 model, new paint	1,750
IH 886 cab & air	18,750
JD 2010 row crop, needs engine work	1,950
1066 Black stripe cab exc cond	17,500
3200 skid steer loader new paint	5,000
JD 430 wide front	2,500
JD 530 w JD loader	2,500
IH 37 baler w thrower	1,450
IH 37 baler w thrower	1,450
IH 47 baler w thrower	1,850
IH 430 baler w thrower guaranteed	2,750
IH 37 baler	1,200
Papec blower good condition	650
IH 56 blower new ring, excellent	1,800
AC blower	400
IH 830 harvester w 2 R corn head	6,500
IH #93 combine	2,500
500 gallon Walsh sprayer	1,200
JD #345 4-16 reset plow, exc	
IH 370 disc harrow 11 6	2,250
NH 880 harvester w 2R corn head	3,700
IH 530 manure spreader	1,500
Used lawn & garden tractors	900 and up
D R Ellis 2 row transplanter	
Gleaner M 1974 model combine, diesel engine, cab, 13' platform with pickup reel & 4 row corn head, one owner	18,500
IH 400 four row planter no till	2,850
IH #56 four row double disc planter	1,850
IH 400 6 row planter no-till	3,750
Athens model 131 13' HD disk harrow equipped with Buster Bar and 4" cylinder	5,650
JD #130F 4 14 3 pt plow	850
IH 700 5-16 auto reset plow	2,950
IH 700 4-16 auto reset plow	2,250
IH #16 rake, one owner	1,350
IH #35 rake 3 years old	1,875
IH 990 7' & 9' mower conditioner	
IH #530 3 14 3 pt plow	650
IH 710 3-16 reset semi mount plow	2,750
IH 540 4 14 semi mount trip plow	750
Farmhand loader	475
Badger forage box	1,400

We ship parts by UPS daily — We specialize in TLC guaranteed service

C & W EQUIPMENT, INC.

260 York Rd., Carlisle, PA 17013
717-243-4419

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

EQUIPMENT WITH EXTRA 4% DISCOUNT
Now Thru January 31st

WHITE TAG SPECIALS

Come in now and get our best price on selected new International tractors and equipment!

Prices on new International tractors combines planters tillage hay and forage equipment never have been lower We're tagging our outstanding values with special White Tags to call attention to our best buys

Come see how you can save more on new equipment and improve your bottom line Offer expires Jan 31 1984

SAVE EVEN MORE! Buy now and get special financing on all White Tag Specials

Come in early. Prices are subject to equipment availability!

INTERNATIONAL HARVESTER

- 884 Row Crop
- 6388 D Tractor 2+2, Plus Demo
- 3688 D w/Rops, Plus Demo
- 3288 D w/Rops
- 15 Rear Blade, 3 pt.
- 20 Rear Blade, 3 pt.
- 181 15 ft. Rotary Hoe
- 5500 11 Ft. Mounted Chisel
- 4500 Field Cultivator
- 735 6-Btm. Vari-Width
- 1350 Grinder Mixer
- 781 For. harv. & 2 Row Head
- (1) 595 Spreader
- (2) 560 Spreaders
- 183 4-Row Cultivator

ASK ABOUT IH RED EDGE "PERFORMANCE SAVINGS"

★ WAIVER TO 3/1/84!

NEW 30 and 50 SERIES TRACTORS
Best Cash Prices Ever On All Equipment Now

- ★ IH 3288
- ★ 3688 - w/ROPS - Demo Special!
- ★ IH 6388 - 4 Wheel Drive - 130 HP - 540/1000 PTO
  Extra Special Price — Buy A Real 4WD
  At The Same Price As An Add-On 4WD!
- ★ 5288 - Rental Demo, Special

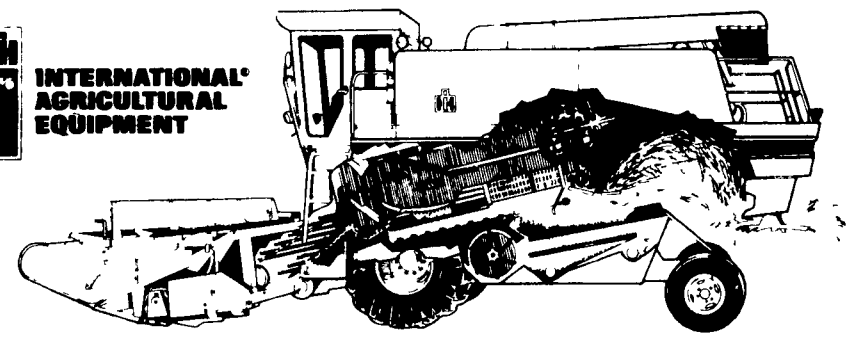
Purchaser of New IH Tractor (Model 484 To 6788) Eligible For All Expense Paid

TRIP TO LONDON (5 days, 4 nights) **OR CASH REBATE**

Offer Good Nov. 1, 1983 to Jan. 31, 1984

COMBINE HEADQUARTERS
★ Check With Us Before You Buy! ★

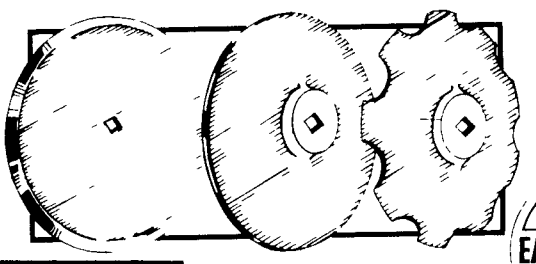
INTERNATIONAL® AGRICULTURAL EQUIPMENT



- ★ IH 1420 Combine
- ★ 963, 944 Heads In Stock! - Old Price Plus White Tag Special
- ★ 810 13' Cutter Bar
- ★ 810 15' Cutter Bar (Old Price!) - White Tag Special

★ **WAIVER TILL 9/1/84 OR CASH REBATE!**

We Specialize In IH Combine Parts & Service!



IH DISK HEADQUARTERS!

EARTH METAL

EARTH METAL DISKS: 60% Stronger! 20% Longer Life!

C-shape bearing standards Allow gangs flex to ride over obstructions.

IH 496 FLEX WING DISK HARROWS WITH EARTH METAL DISKS!

Model	Cutting Width	Disk Blade Spacing	Blade Sizes Available	Transport Width	Operating weight With Blade Sizes
496 Folding Wing-Type	18 ft 7 in 22 ft 2 in 24 ft 7 in 28 ft 1 in 31 ft 8 in	7½ in	20 or 22 in	12 ft 5 in 12 ft 5 in 14 ft 8 in 14 ft 8 in 14 ft 8 in	20 in 6598 lb 7326 lb solid 7807 lb 8513 lb 9137 lb
	19 ft 1 in 22 ft 24 ft 10 in 27 ft 8 in 32 ft	9 in	22 in	12 ft 5 in 12 ft 5 in 14 ft 8 in 14 ft 8 in 14 ft 8 in	6750 lb 22 in 7370 lb solid 7847 lb 8482 lb 9224 lb
496 Cushion Gang	19 ft 1 in 22 ft 24 ft 10 in 27 ft 8 in 32 ft	9 in	22 in	12 ft 5 in 12 ft 5 in 14 ft 8 in 14 ft 8 in 14 ft 8 in	7125 lb 22 in 7667 lb solid 8105 lb 8911 lb 9700 lb

New For 1983...
22'2" - 7½" Spacing, Cushion Gang - Model 496

Others In Stock...
19'1" - 9" Spacing, Regular Gang
19'1" - 9" Spacing, Cushion Gang
22'9" Spacing, Cushion Gang

CALL US FOR IH DISK HARROW PARTS IN STOCK!

★ **WAIVER ON DISKS TILL 3/1/84!**

IH GRAIN DRILLS
- In Stock - Ready For Delivery -
18x7 Plain 16x7 Comb.
21x7 Plain, old Price!

★ **WAIVER TILL 5/1/84!**

IH SUBSOILERS - IN STOCK
No. 14, Auto Reset, 5 Shanks
No. 10, 8'3, 3 Shanks

★ **WAIVER TILL 3/1/84!**

USED EQUIPMENT

TRACTORS: (Waiver to 3/1/84 or Cash Rebate
IH 806, 3 pt. Hitch, Wide Front, TA, $5950 (No Trade)
(2) IH Farmall "C"
Int. F12 w/cult.
JD 2010 D, Tri.
Int. 400 Farmall, Real Nice!
IH 1066 D w/Cab & Air - Real Nice!
IH 966D w/Cab
IH 766 D, Black Stripe
IH 806 Diesel, Wide Front, TA, Fast Hitch
IH 560 Gas, 400 Gas
MF TO-20 w/Turf Tires
MF 33 w/3 pt. Hitch
MF 65 Diesel w/MF Loader
IH 340, Tri.

HAY & FORAGE EQUIPMENT:
(3) IH No. 51 Forage Wagon
IH #5 Flail Chopper, Direct Throw
33 NH Flail Chopper
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper
IH 990 9' Mower Cond.
1014 Hesston Mower Cond.
IH 27 Baler w/Thrower
IH 47 Baler w/Thrower
IH 440 Wire Baler w/Thrower
Kuhn GF 452 4-Star tedder, Nice Shape
5026 Elec. Wheel, 8 ton Gears

MISCELLANEOUS:
Used CP Model 250 Rotary Vane Air Compressor w/IH 282 Die[SOLD]gine Mounted on CO 1600 Int. Truck - ~~$3800~~ — ~~$3,650~~ Now $3000

TILLAGE: (Waiver to 3/1/84)
Cub Single Gang Disk
Cub 2-Way Plow
Pittsburg 11'6" Disk
JD 110, 12' Disk, Good Shape
IH 370, 350, 37, 35 In Various Sizes
Oliver 4-Bot. Semi-Mtd Plow
IH 440 4-Bot. Plow
IH 700, 5 Bot., 18" Plow
IH 700 6 Bot. 16" Plow
IH 540 4-Bot. 14" Semi-Mtd Plow
IH 531 3 pt. 3 Bot. Plow
IH 311 Fast Hitch Plow, 3 Bot.
AC 1-Bot. Trailing Plow
MF 880 5-Bot. Auto. Reset
Glencoe 18' Field Cultivator
Vicon 10' Power Harrow — ~~$2,500~~ — ~~$2,300~~ — $2,000

MATERIALS HANDLING: (Waiver to 3/1/84)
IH 2250 Loader for Farmall Tractors
Farmhand Loader for IH 74 Series Tractor
157 Hawk Bilt Spreader - was ~~$995~~ Now $695
NH 512 Spreader w/End Gate
NI 212 Spreader, PTO, flail type
200 Gal. Century Sprayer, Piston Pump
250 Gal. Tecoma Air Blast Trailing Sprayer — $1,500!

LAWN & GARDEN:
IH 127 w/Mower, Recond.
IH 1650 w/Mower, Like New
IH 682 w/Mower, Like New
IH 100 w/38" Mower

COMBINES:
IH 863 6-Row Narrow Cornhead, Low Acres
715 Diesel Hydro w/13' Floating Cutter Bar and 744 Cornhead
AC Model C2, 12' Hd, 4-Row Wide - Rough Cond. - $2,000
MF Model 300 Gas, 2-Row Hd., & Platform - Rough Cond. — $1,200
810 13' Cutter Bar
IH 1460 (1980 Model) w/963 Cornhead — Coming In!
FKS Gleaner Diesel 4 Row Wide, 12' Platform
MH 35 SP 8' Platform, Fair Shape
715 D Hydro, 1976 Model, 820 15' Cutting Bar — Real Nice

IH 315 Hydro w/12' Platform, Field Ready, w/PU Wheel & Hyd. Lift
IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 227 Cornhead, fits 315, 205 or 203
IH 234 Picker w/Husking Bed, Mount for 656 Farmall
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

PLANTERS: (Waiver to 5/1/84)
IH 455 4-Row
IH 658 6-Row Narrow Dry Fert. 4 & 6 Row Cyclos, Field Ready!
JD FBB 17x7 DD
IH No. 13x7 Plain Drill
IH NO. 10 16x7 SD, Comb. Drill
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill

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Special Price On Diesel Unit Available On Factory Order - Call For Price!

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4610 SU
3610 AP
1500 AP w/Loader
CL45 Compact Loader
150 Auto Reset Plow
930 3-Pt Mowers

Ford Tractors Equipment

Ford 4610SU Tractor

FORD USED MACHINERY

6700 (Low Hours)
960 Gas, Runs Good

MISC. USED MACHINERY

2600 Gehl Skid Loader
830 Case
I H Farmall Super MTA
Hesston PT 10
New Holland 276 Baler
I H 460 w/Wide Front End
New Holland 36 Flail Chopper

MISC. NEW MACHINERY

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IH 584 DRC
IH 244 D

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IH F966D
IH F766G
IH F460D
IH F400D
IH F1456D
IH Hydro 86D
Ford 860
JD 2440 w/Loader
MF 65D w/Loader
MF 1105D
AC WD 45
JD 1010
IH 234D

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Lely Power Harrow
JD 314 Plow
IH 211 Plow
IH 312 Plow
IH 311 Plow
IH 411 Plow
IH 560 Plow
Oliver 2F Trail Plow
JD 314 Plow
IH 450 Plow
IH 550 Plow
IH 531 Plow
Case 4F 16"

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SP IH Corn & Grain
SP IH #91
SP MF #35
MF 510 w/43 Cornhead

Miscellaneous
NI 245 Spreader

Tillage USED
IH Vibra Shank, 3 pt
IH Vibra Shank Trail
Dunham 10' Cultimulcher
Brillion Spring Tooth
IH #24 Offset Disc
IH 122 3 pt. 8' Disc
IH 500 Disc, 15'

Spreaders USED
NH 214 Spreader
Hawk Built 187 Spreader
Starline Spreader
Hesston Agitator

Skid Loaders
Bobcat 543
Bobcat 500
IH 3200
Case 1740D

Planters
IH 400 Cyclo 6R
IH 400 Cyclo 4R
AC 600 No-Til 4R
JD 1250 6R
IH 6200 Press Wheel Grain Drill
Ontario 13x7
JD 393A 4R
IH 449 4R
IH 56 4R
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NH #258 Rubber Tine Rake		$2515
NH #30 Blower		$2865
NH #28 Blower		$2915
NH #718 Harvester (1 only)		$6100
NH #519 Spreader, 11:20 Tires		$4725
NH #679 Spreader, 11:20 Tires		$6125
NH #791 Spreader, 11:20 Tires		$7130
NH #425 Skid Loader 60" bucket, 10:50 Tires		$12,675
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PLUS MORE EQUIPMENT IN STOCK - CALL TODAY
• SPECIAL DEALS ON THE ABOVE PLUS FREE FINANCE ON
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NH 276 Baler w/58 Thrower, elect. cont. Excellent Condition
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7' 3 pt. hitch York Scraper Blade w/100 h.p. rating
NH 273 Baler
NH 56 Rake
NH 770 R2 Corn Head
NH 717 N2 Corn Head
NH 717 Pickup Head
12' Mid West Harrow
Bush Hog 5' Rotary Mower
Case 4B Plow
Oswalt 1830 Ensilmixer

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3288, demo
784 RC w/TA
684, 4 wheel drive
1420 combine, demo
370 disc
720 auto. reset 5 btm.
2250 loader
#50 Shredder

WHITE TAG SPECIAL
1420 Combine with 810 head

USED EQUIPMENT

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1256
706 Diesel
IH 424
Farmall 340
Farmall 70 hydro
Farmall BN w/cultivators
2 Super C's
Super AV
Haines bulk bodies
Ziggy bulk body, 16'
Mayrath auger 6"x27'
1500 Schwartz loader
Massey Drill 16x7
Potato planters
JD 2 row potato digger
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Vicon disc mower conditioner
NH S69 baler
IH forage blower
Gehl 4500 Skid loader
NH 1010 bale wagon
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NH 512 spreader
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USED TRACTORS

IH 450
AC 175 D w/loader
AC 170 Diesel
AC 190XT w/cab
AC 7040 power shift
AC 7040 power director
AC 200
MF 135 Diesel
MF 165 w/loader
MF 1080
Ford 901

New Tractor Special
AC 6140 2 spool valve power change wheels
List $15,100 Sell **$10,900**

New Hay Equipment Special
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List $8200 Sell **$4495**

USED EQUIPMENT

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Gehl 800 Harvester w/heads
Gehl 72 Flail Harvester
Gehl 95 Grinder Mixer
MF Rake - Balers
New Idea 324 Sheller
JD 10' Chisel 3 pt
Bush Hog Soil Hog 9 shank
IH Forage Box
Kasten Forage Box

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AMCO disc harrow
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Glenco Field Cultivators
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IH 510 4F-18" plow	$ 4,859	$ 3,650
IH 40 3 pt. blade (heavy duty), 8'	$ 1,310	$ 995

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5088 w/cab
3688 w/cab
3288 w/rops
3088 w/out rops
884 w/TA
784 AWD
784 w/TA
584 52 HP
684 w/TA
484 42 HP

New Hay & Forage Equip.
IH 428 baler w/thrower
IH 1190 mower cond
IH 781 harv w/2R head
IH 881 harv w/2R head
IH 130 16 forage box w/tan 12T gear

New Tillage Equipment
IH 720 5F 18" auto plow
IH 510 4F 18" plow
IH 475 12 disk harrow
IH 480 13' disk harrow w/cyl
IH 496 19 disk harrow wing flex
IH 4500 VS field cult 12'6'
IH 5511 Chisel Plow
IH 6511 conser till

Material Handling
IH 2250 loader w/72' bkt
IH 1250 grinder mixer
IH 30 3 pt blade 8
IH 40 3 pt blade 8

USED TRACTORS

IH 3088, 80 hrs (like new)	$20,850	IH C	$1250
IH 1086 D w/cab	$22,500	IH 484 D w/300 hrs	$10,500
IH 966 D hydro w/cab	$12,500	IH Super C, real nice	$2150
IH 706 G, w/wide front	$5850		

Waiver of finance until 3-1-84

USED HAY AND FORAGE EQUIPMENT

IH 37 Baler w/thrower	$1800	Lamco 16' forage box w/roof	$1850
IH 430 baler w/thrower	$2850	IH 56 forage blower	$750
NH 27 forage blower	$975	IH 45 conv. blower	$100
JD 34 forage harvester w/2 row head	$1500	Gehl Forage box	$1250

Waiver of finance until 6-1-84

USED TILLAGE

Oliver 565 4-5F 16" semi plow	$1650	IH 401 16' Harrow	$600
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IH 720 4F 16" auto. plow w/cyl. (real nice)	$3850	King 9' HC Chisel 3 pt. w/buster bar	$1650
IH 710 5F 18" auto. plow w/cyl.	$3950	IH 560 6F 16" plow w/cyl	$1500
		IH 550 5F 16" plow	$1250
		IH 710 5F 16" plow w/cyl.	$2250
		IH 541 4F 16" 3 pt. plow	$500

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NI Model 211 Spreader (Nice)	$1350	5th Wheel Steer Wagon chassis w/elec. brakes and tires	$450
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Portable loading ramp (for cattle)	$200		

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IH 400 4 row 38"	$1500		
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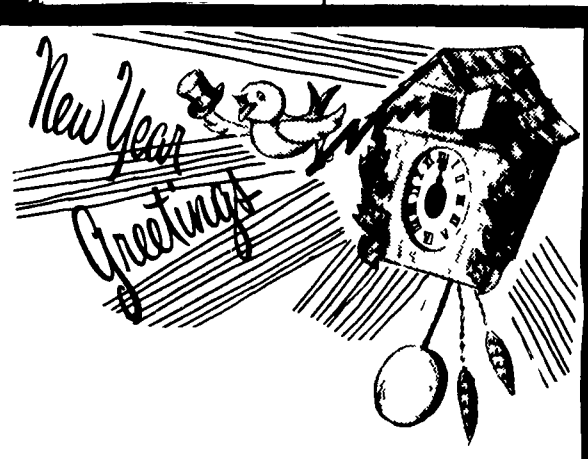

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HAY

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9000 ..... $6000
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..... $14,500
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4320 ROPS - WTS $11,200
4320 ..... $10,950
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(4) A ..... $595 & up
50 ..... $1450
4230 - ROPS - 1976 ..... $11,200
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4520 - Nice $8200
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"G" $1450
60 w/NI 2x Picker $3000
"D" - Antique $2000
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4430-No Cab ..... Coming in

"9" 4 WHEEL DRIVE TRACTORS From 30 HP to 175 HP

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Case 2470 - Cab - 3 Pt -
PTO - 1973 ..... $13,500
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As Is $4950
White - 4-150 - Cab - 3 Pt -
PTO $13,500
Mitsubishi Bison - New - 4WD
30 HP $7850
Deutz 10006 - 4WD - Nice $14,500

ALLIS CHALMERS

D21 Series II w/Cab - Air ... $7850
G w/Hyd. & 4 Tools $2500
WD45 w/Plow $2000
(2) G w/Rotary Mower $1850
200 w/Cab - Nice $9850
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185D ..... Coming in

MASSEY FERGUSON TRACTORS

1105 - Nice - 1973 ..... $8200
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180 - Gas - Nice $5250
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1150 w/Cab - Duals .... Coming in
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1130 w/Duals ..... Coming in

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360 - New $8975
460 4WD - New $11,675
310C - New $6750
310, 4WD w/Loader - New $11,950
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4 WHEEL DRIVE POWER

• WHITE 4-150 • CASE 2470

Both Have 3 Pt., PTO, Cab, Air, Etc.

Your Choice $13,500

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- 6' 3 pt. blades $195
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- 3 pt. boom poles ..... $50 & $100
- Round bale feeders $145
- 3 pt. P.T.O. woodsaws $495
- 3 pt. 12" Post Hole digger $450
- 165 bu. gravity bins $475
- 210 bu. gravity bins $565
- 1 x 3 pt. plow $295
- 2 x 3 pt. plow $495
- 3 pt. bale mover $150
- 3 pt. potato plow $95
- 3 pt. subsoiler $150
- 3 pt. spike harrow ..... $500 & $600
- 6 ton wagon $425
- 8 ton wagon w/goodies $575
- 10 ton wagon w/goodies $625
- 11 ton tandem w/goodies $950
- 12 ton wagon w/goodies $950
- 5' 3 pt. rotary mower $495
- 6' 3 pt. rotary mower $695
- 4' pull rotary mower $675
- 5' pull rotary mower $695
- 6' pull rotary mower $895
- 6' 3 pt. stone rake $495
- 7' 3 pt. stone rake $525
- 8' 3 pt. stone rake $545
- Speedy 1200 bushel corn cribs $895
- 3 pt. cement mixers $595

SQUARE BALERS

NH 273 - 69 - 66
Case 230

CHISEL PLOWS

10' to 19'
"V" Chisel

ROTOVATORS

Long 63" & 71" & 55"
Lely Roterra (13')

SPRAYER

150 gal. 3 pt.

TRANSPLANTERS

1x & 2x

"CLEAN" COMBINES

JD 4400
MF Super 35
IH 82 Pull Type
Case 660
(2) JD 45EB

GRAIN DRYERS

MC 600 & GT 270

(25) COMBINE CABS

SICKLE MOWERS

JD - IH - NH - Case - NI - AC

DISCS

IH from 6' to 24'
JD from 8' to 13'
Total of 50 to select from

FIELD CULTIVATORS

JD - IH - Glenco

GRAIN DRILLS

IH 10 - 16 Disc
JD FBB - 11 Disc
JD FBB - 13 Disc
JD VB - 11 Disc
JD 1500 - No Til
JD FBB - 17 Disc
Ontario

DUALS

18.4x28 18.4x38
16.9x34 20.8x38
18.4x34 15.5x38
16 9x38

BLOWERS

NH - IH - AC - Gehl

ROUND BALERS

JD 410
Gehl 1500
Hesston 5600

LOADERS

Ford - JD - IH - Freeman
Souders

POTATO DIGGERS

1x & 2x
1x plows

SNOW BLADES

4' to 7'

ROTARY HOES

2x - 3x - 4x

ROTARY MOWERS

Used 5' to 13'
New 4' to 6'

WAGONS

All Makes & Types

FEED MILLS

NH 352 - 357
OMC 424
Hammermills

FERTILIZER DRILLS & SPREADERS

JD & Case
Calhoun Tandem Axle Spreader

CORNPICKERS

NI 319 - 305 - 325 - 323 - 7 - 324
Ford 1x 3 pt.

CARS & TRUCKS

1974 Ford Truck Tractor
1980 Chevy Diesel Pickup
1982 Ford F150 Pickup
1979 IH Tandem Rollback
1972 Ford Pickup - $395
1973 IH 20' Grain Dump
1976 Ford Diesel w/24' Rollback
1978 Chrysler Cordoba
1980 Buick Regal
1982 Ford Granada

MANURE SPREADERS

Badger Honey Wagon
Clay Honey Wagon
Hawkbilt Tank
NI 1x & 2x (Tandem)
IH - NI - AC

STACK MOVERS

Hesston 10W
Hesston 30
JD 200
3 pt. Stabbers

STACKER

Hesston 10

WINDROWERS

Ford 536
Hesston PT7

HARVESTERS

Fox 2200 - IF
JD 35 - 25
NH 890 - Super 717
Gehl 800
AC 720
(100) Extra Heads

FLAIL MOWERS

NI 279 - 9'
Caldwell 6' 3 pt.

PLOWS

(Some Resets)
AC - 1x
Ford - 1x - 2x - 3x
MF - 3x Flip - 5x
JD 1x-2x-3x-4x-5x-6x
IH 1x-2x-3x-4x-5x-6x-7x
Case 4x
Oliver 6X Reset

CORNPLANTERS

JD 7000 (6x)
290 - 246
Ford 309
MF 2x 3 pt.
IH 56 (4x) 2x FH
AC 770 (4x)

HAY RAKES

(Roto Bars)
NH 258 - 55
JD - 50
NI
4 Star Wheel Rakes

THE PEOPLE THAT DO BUSINESS

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067
PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

WE BUY YOUR EXCESS EQUIPMENT - FINANCING AVAILABLE WITH 20% DOWN - UP TO 7 YEARS

WENGER'S IS E-X-P-A-N-D-I-N-G TO SERVE YOU BETTER
Used Parts — East Coast's Largest

(100) COMBINES - DISMANTLED

JD 7700-6600-4400-3300-55-45-40-12A
IH 815-615-315-403-303-203-205-105-101-93-91-141-127-64-76
MF 760-510-410-300-92-82-72-35-26-Clipper
Gleaner CII-EIII-A-E-60
Uni 704-702-701-717-710-Etc.
Case 960-660-600
NH 975-985
MM 4296-Oliver 525 & 535
Over 100 Corn & Grain Heads For Salvage

(100) HARVESTERS - DISMANTLED

JD 38-35-34-12-8-6
IH 650-550-55-50-350-16-15
Fox 2200-2000-1000-546-FA
NH 880-818-800-S717-717-770-616
Gehl 600-300-188-84-83
Case 300
Ford & Papec

PARTS CALLS TAKEN

7:30 A.M. to 5 P.M. WEEKDAYS

7:30 A.M. to 12 NOON SATURDAY

PLEASE NO PARTS CALLS AFTER HOURS

PROMPT SHIPMENT

CASH SALES ONLY

(50) BALERS - DISMANTLED

JD 214T-24T-14T
NH 269-78-569-69-68-67-66
IH 57-47-37-27-55-45
Oliver 720
MF 10
AC 303
Case

HAYBINES — CORNPICKERS — SPREADERS — CORNPLANTERS — HAY CRUSHERS — BLOWERS — CORN SHELLERS — CULTIVATORS — PLOWS — CULTIPACKERS — CULTIMULCHER — DRILLS — RAKES — SICKLE MOWERS — NI 7' & 9' CUT DITIONERS

CONSTRUCTION ITEMS - DISMANTLED

Crawlers:
Cat D2-D4-977-933-951B
JD 350-440-420-40-MC
IH 175-100-TD14-TD9-TD6-340-500
AC HD4
Oliver OC3-HG
Case 310

Backhoes:
Case 680-530-320-210
IH 3444-3600-3514-350
Ford 4500-4400

Skidders:
JD 540 A & B

Skid Steers:
Case 1737
Melroe 444

Lots More Incidental Items

SPECIAL

Winco 55 KW P.T.O. Generator Single Phase-Continuous Duty 1000 RPM-110V & 220V, Heavy Duty Trailer, Welder Recepticale, Used 20 Hours-Like New - $2950

CLEAN N.I. UNI SYSTEMS

(Mix & Match Attachments)

- Tractors - 706D w/Cab, 705D w/Cab 702 w/Cab
- Husking Beds - 727, 726, 721
- Harvesters - 767, 760
- Sheller - 729A
- Pickup Heads - 766, 761
- Grain Heads - 715, 713, 711
- 4 Row Cornheads - 844N, 738, 731
- 3 Row Cornheads - 743N, 735, 725, 763, 724
- 2 Row Cornheads - 723, 762
- High Moisture Throat For 760
- Combines - 710

FARM TRACTORS FOR SALVAGE (OVER 2000)
Most Makes And Models

CONSTRUCTION EQUIPMENT

NEW 1984 TRAILERS ON SPECIAL
- 2 Axle, 4 Ton $1450

BACKHOES

Ford 4500	$10,500	Hein Werner C12.	$8500
Long 5 in 1	$16,500	IH 3444	$7500
IH 3820	$16,500	Ford 5500	$12,500
Ford 4500	$7500	IH 260A	$14,500
Ford 4500	$9500	IH 3414	$6500
Case 580B - Cab - Extendahoe	$13,500	IH 3500	$6500
Case 580B	$8000	White	$6500
Ford 8N	$3500		

BACKHOE ATTACHMENTS

(6) Ford Hoe Attach $1750 & up
(2) JD $3500 & up
(5) Case $2500 & up
AC. $2500
(3) 3 pt Hoe Attach $2250 & up
(5) IH Hoe Attach $2500 & up

CRAWLER LOADERS

JD 450 - As Is $5750
Cat 955H $16,500
Cat 951B $21,500
JD 350B w/Backhoe $18,500
Cat 977L $68,500
JD 350 w/4 in 1 $8950
Case 350 $8950
Cat 941B $26,500
Case 450 w/Hoe $12,500

DOZERS

Cat D8H $19,500
JD 450 - 6 Way $12,500
Cat D4C $12,500
IH TD14 $3000
AC HD4 $8500
JD 2010 $6850

CONSTRUCTION DUMPS

1974 IH Diesel w/9' Body - Air Brakes $10,900
(2) Mack 25 Ton Rock Trucks . . . . . Call
(3) Mack 20 Ton Rock Trucks . . . . . Call

TRACTORS WITH LOADERS

Ford 600 . . . . . $3250
Ford 8N $2450
JD 400 . . . . . $7500
IH 2400 . . . . $7500
IH 2400 . . . . Coming in
AC I600-As Is- . $3500
AC D15 . . . . Coming in

MISC. CONSTRUCTION

(40) Used hoe buckets . . . From $100
(25) Loader buckets . . . From $100
(30) Set forklift forks . . . . . From $300
(6) Winches . . . . . Call
Wayne 984 Diesel Street Sweeper $8950

FORKLIFTS

Int. 7000 - 21' $10,500
Int. 4500B - 21' $12,500
IH 544 . . . . . $5750

RUBBER TIRED LOADERS

OMC 770 . . . . $17,500
Ford A62 1978 Nice Cab . . $27,500
Hough 50 . . $8500

TRAILERS

1984 2X 4 Ton . . . . . $1450 & $1600
1978 2X 6 Ton . $2650
1983 3X 9 Ton . $4400
1983 1X 2 Ton . $1150
1984 2X 12 Ton $5800
1983 2x6 Ton . . $3600
1977 10 Ton 5th Wheel $3950
Used 6 Ton $2250
Used 9 Ton $2750
Used 25 Ton . . $3500
Freuhauf 40' Flat $2500
(2) 1979 Strick 40' Flats. $7000

LOG SKIDDERS

JD 440B $13,500
(2) JD 540A . . $13,500
JD 540B - BURNED $8500
Tree Farmer- As Is- $3850

CULTIVATORS

Ford 2x - 4x
JD 2x - 4x - 1x
IH 2x - 4x - 1x

TRACTOR CABS

IH 06 Cab. . . $775
JD 4620 Cab $1250
(4) Used for JD 4020 . . . . . $350 to $1500
Used for Ford 6000 . $775
New for Ford 5000-7000 . . . . . $1800
(5) New for MF- 275 to 1155 . . . . . $2000
(10) Used Rollbars . . . Call
New Cooler for Cab . $500
(2) Used for IH 66 - Nice $1500
Used For JD 4230 . $1250
Oliver 1355 Cab . . $2000

CULTIMULCHERS

11' to 15' Cultipackers - 9' to 14'

FLAIL CHOPPERS

JD 16A - 15A
Gehl 72
NH 36
MC

ELEVATORS & AUGERS

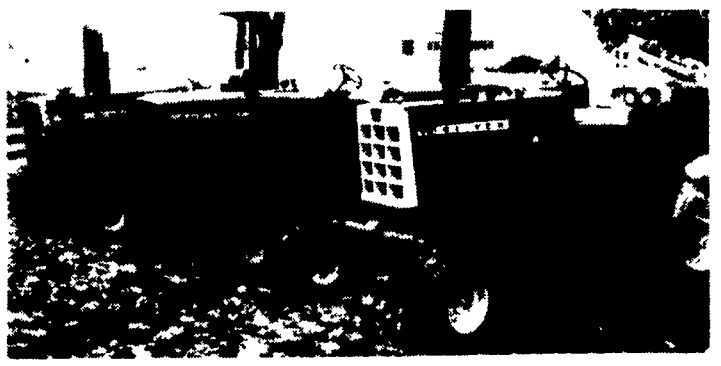
LG Corn Drags
Cardinal 56' 8" Auger
NH 36'
Case

CORNSHELLERS

JD 43 3 pt. & pull type
MM 1200
JD 6
NI For pull & mtd.

SKID STEER LOADERS

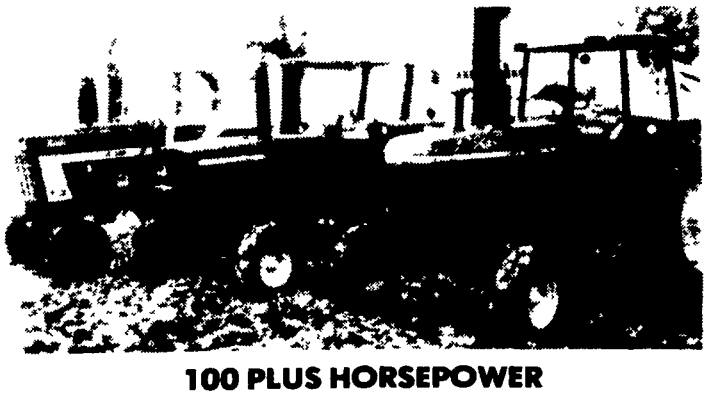
OMC 1700 Diesel $6500
IH 4150 Diesel $9500
Melroe 720 . . . . $8500
Melroe 611 . . . . $6500



100 PLUS HORSEPOWER
- MF 1105-1973 • JD 4520-1969 • Oliver 1950T - 1968

All Decent Tractors, Properly Equipped

YOUR CHOICE **$8200.00**



100 PLUS HORSEPOWER
- IH 1066 w/Cab - 1973 • JD 4320 w/ROPS - 1972
- JD 4230 w/ROPS - 1976

All Decent Tractors, Properly Equipped

YOUR CHOICE **$11,200.00**

EXCELLENT SELECTION OF AFFORDABLE USED EQUIPMENT

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

1976 JD 2640 diesel with independent PTO 15.5x38 tires
1979 International 684 diesel Utility
1970 MF 135, gas
JD 7,000 Max Emerge, 4RN Plateless and herbicide, like new
JD 750 Grinder mixer, 1,000 RPM
Brillion 14' Stalk Chopper
Brady 12' Stalk Chopper
International 450, 3x16 3. point manual trip
NH #328 single beater spreader with tailgate
1855 Oliver, 3 speed
Ford 6700 diesel
4020 JD 1970 differential lock, $7500
2030 JD diesel $5500
MF 285 diesel $7500

Horning's Farm Machinery
Ephrata, PA
717-733-7408

As the New Year begins, join us in a prayer for serenity and hope as the future unfolds Our gratitude to you for your faithful patronage

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Call
"Triple H Equpment"
for the 1 Series Mower Conditioner
from Vicon

Now in 3 sizes ideal for use on your size farm:
- KM 321 working width 10'7"
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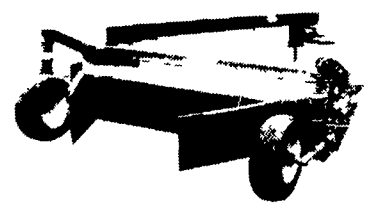
- KM 241 working width 8'

1 - All Mower-Conditioners utilize the patented drawbar and drive line to enable 90 degree and sharper turns under full power.



1 - Larger triangular discs for more knife overlap
1- Full length nylon conditioning rolls tougher than rubber - for thorough, even conditioning.

Call Today for Year End Savings and Big Cash Discounts on all Vicon Equipment
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Wisconsin and PERKINS power units
BRIGGS & STRATTON
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10% Off on parts for overhual jobs scheduled before Feb. 1
Glick's Engines
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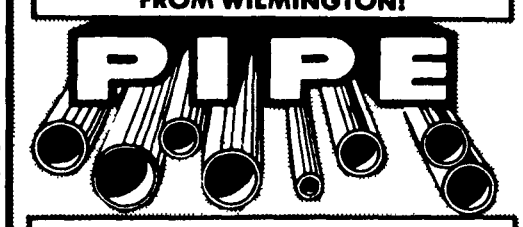

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STANDARD EXTRA & DOUBLE EXTRA HEAVY ALL SCHEDULES ALL TYPES FABRICATION THREADING CUTTING — WELDING
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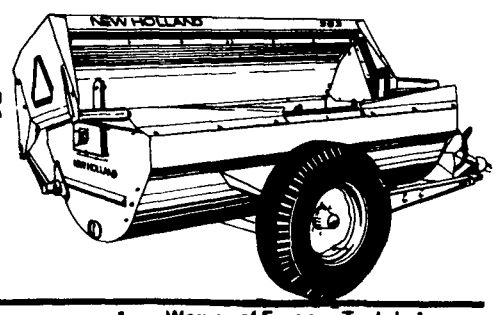
NEW EQUIPMENT IN STOCK

NEW HOLLAND MODEL 363 TANK SPREADER
Was $4,595
Now $4,295



WHITE FARM EQUIPMENT

WHITE 2-55 Tractor
WHITE 2-65, 2&4 Wheel Drive
WHITE 2-75 Tractor
WHITE 2-85 Tractor
WHITE 2-88 Tractor
WHITE 2-105 Tractor
WHITE 2-110 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator

Waiver of Finance To July 1, 1984 on Hay Tools And Sept. 1, 1984 on Forage Tools.
OR
4 9%, 7 9%, 10.9% For 12, 24 or 36 Months Respectively

NH L425 Loader
NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
NH 847 Round Baler
NH 80 Bale Mover
NH 488, 489 & 1495 Haybines
NH 256 & 258 Rakes
NH 38 Crop Chopper
NH 28 & 30 Blowers
NH No. 8 Forage Box
NH 513, 519, 679 Spreaders
NH 363 Tank Spreader
NH TR75 Combine

KUBOTA
We're looking for work.

bobcat
642 & 743

WOODS
Division of Hesston Corporation

TYE
No Till Drill

GLENCOE
7 Tooth
Soil Saver

USED EQUIPMENT

HAYTOOLS
NH 30' Elevator
NH 56 Rake
NH 268 Baler w/Thrower
NH 68 Baler w/Thrower
Oliver 620 Baler w/Thrower
Gehl 880 Mower Conditioner

COMPACT TRACTORS
Kubota B6000 E w/Woods RM 59 Mower
Farmall Cub Lo-Boy
Farmall Cub w/Snowplow, Plow, Cultivator And Sickle Bar Mower

SPREADERS
NI 212 Spreader
NI 214 3-Beater w/Hyd. Endgate
NH 512 w/Hyd. Endgate
NH 346 Tank Spreader, LH
NH 367 Tank Spreader, LH

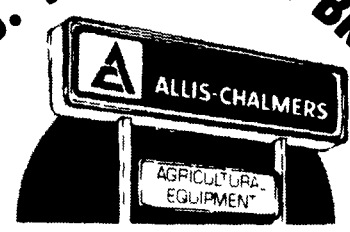
TILLAGE - PLANTING
White 5400 Planter
JD 1240 4-Row w/Monitor
IHC 550 5-16 Plow
Oliver 348 3-16 CT Plow

TRACTORS
Oliver 1755 w/Cab

NORMAN D. CLARK & SON
Honey Grove, PA 17035 - Phone 717-734-3682
Located 14 Miles South of Port Royal on Rt. 75

AVCO NEW IDEA

C.J. WONSIDLER BROS.



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Sat. 7:30 A.M. - 12:30 P.M.

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Sat. 7 30 A.M. - 4:00 P.M.

BRANCH
Lobachsville, Oley, PA
(215) 987-6221 or 987-6257
Mon -Fri 7 30 A M - 5.00 P.M
Sat 7 30 A M - 12.30 P.M

TRACTORS
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 7000 D w/cab
AC 190XT D w/cab
AC WD45
AC WD
JD 4020 PS
JD 4020 D
JD 4010 D w/PS
JD 4010
JD 60
JD B
IH 986 w/cab, air, only 1400 hrs., EXCEL!
IH 460 D
Farmall 400
Ford 4000 D, lo hrs.
MF 50 D
Long 560 D, lo hrs.
MM G1000 D
Case 630 w/loader

FEED CARTS
(2) Weaverline 223 Elec. Feed Cart, 24 BU.
(2) Weaverline 330 Elect. Feed Cart, 30 BU., A-1!

TILLAGE
AC 2300 Disc Harrow-15' Fold up
JD 13' Transport Disc
JD 11' Transport Disc
IH 13' Transport Disc
JD 10' Cultimulcher
AC 2000 5B Semi-mt. Plow
Oliver 6B Spring Trip Plow
(2) AC 80 Series 4B Mounted, 3-pt. Plow
Brady 10 Tooth Chisel Plow, w/gauge wheels, like new!
Vicon 14' Power Harrow, demo!

MANURE SPREADERS
JD 34, 150 BU., Brand New
(2) NI 218, 265 BU.
(2) NI 214, 206 BU.
(3) NI 213, 176 BU.
NH 676, 325 BU.
NH 516, 175 BU., 3 beater
NH 510, 160 BU.
NH 213, 140 BU.
Farmhand M165, 125 BU.
Badger BN240, 180 BU.
NH 365 Tank
(2) Hawk Bilt 207 Tank

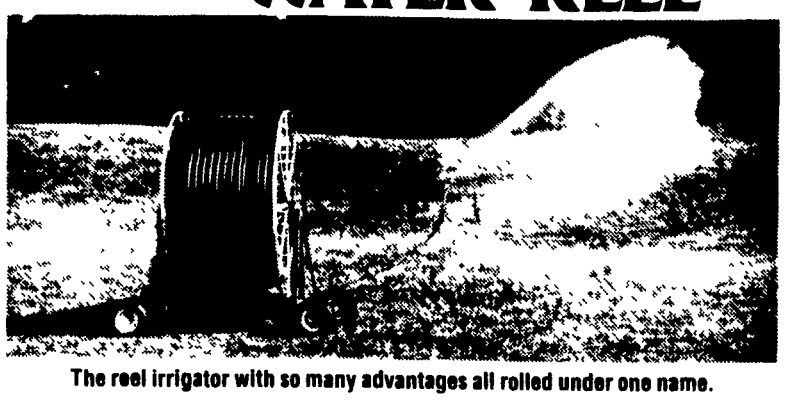
COMBINES
Gleaner N5 w/15' floating grain & 630 corn heads.
Gleaner MKS w/13' grain & 630 corn heads.
Gleaner F2 Diesel w/cab, air, 13' grain & 438 corn heads
Gleaner K w/cab, 10' grain& 238 corn heads
Gleaner CII w/13' grain & 438 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' grain head
Gleaner E w/cab & both heads
JD 8820 w/950 hrs , cab, air & heat, 15' floating grain, 830 corn heads, like NEW!
JD 55 Special w/cab, 12' grain & 330 corn heads
JD 55 w/12' grain & 338 corn heads
JD 45 w/both heads
JD 45 w/grain head
MF 300 w/11' grain & 238 corn heads.
IH 315 w/cab, grain & corn heads.
NH 975 w/11' grain & 238 corn heads.
NI Uni-System 702 w/717 combine, 4-row corn head
NI 767 Chopper w/702, 2-row corn head & 761 Pick up Head

Happy New Year **RING IN THE NEW YEAR with an additional piece of used equipment for your farm.** Happy New Year

WE GOT THE DEALS, CALL US TODAY!

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

AG-RAIN WATER-REEL



The reel irrigator with so many advantages all rolled under one name.

- **Radial Inflow Turbine Drive** - originated and patented by Ag Rain It s the most efficient turbine drive on the market it saves energy Unit is totally gear driven reel has roller cog drive no inefficient V belts
- **Speed Compensator** maintains uniform travel speed assures uniform watering
- **Tachometer Speed Setting** convenient direct read out of ground speed Set and forget
- **No Wasted Water** all the water goes through the gun sprinkler none is dumped on the ground
- **Reel Swivels** easily on ball bearings irrigates up to a half mile from one position
- **Dwell Timer** delays start of travel results in uniform end of field watering
- **Four Models** to choose from 4½ inch x 900 feet 4⅛ inch x 1150 feet 3¾ inch x 1250 feet or 3 inch x 880 feet

EECO, Inc.
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CARTS AND SCRAPERS
Carts with Farm Built Wheels
1 Year Guarantee

FOR SALE -
Auto turn carts and five angle scrapers
Reassemble with two bolts
Scrapers $175
Carts $285
with brake
Carts $245
without
Scraper good for barn yards, stones & snow

10% Discount On Hay Rakes

FOR SALE
Hayrakes made any size from 6 to 16 ft.
$19.00 a ft.
6 - 8 - 10 ft. in stock
Used Pipe Size From ½x6 half price
Many Other Styles Hayracks In Stock
Any Size Gates Made To Your Needs.

SAMUEL F. STOLTZFUS
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IRRIGATION - WASTE - MANURE - FIRE - INDUSTRIAL

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Parts & Service
Gorman-Rupp, Hale, Berkeley, Marlow, CMC

PVC PLASTIC PIPE

REYNOLDS ALUMINUM PIPE
Irrigation, Repairs & Gaskets for: RACE, WOSCO, WADE, IRRECO, CHAMPION, SHUR-RANE, McDOWELL, RAINBOW, A-M AND OTHERS

SPRINKLERS: Rainbird, Nelson, Skinner
MURPHY SAFETY PUMP CONTROLS

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GUNTHER HEUSSMAN INC.

Call John Bolton or Gunther

SO. 5TH ST., EMMAUS, PA. 18049 215-965-5203

GOLD TAG SPECIALS ON NEW EQUIPMENT

JD 1209 Mower Conditioner $5800
IH 720 4x18 Sp. Reset Plow $4800
IH 720 5x18 Sp. Reset Plow $5400
NH 358 Grinder-Mixer w/folding auger $6250

COMBINES

1975 JD 4400 Dsl., w/cab, very good choice of heads
1980 NH TR70 cab and air, hydro 3208 cat dsl. 700 hrs., like new w/15' Flex Grain Platform
1979 JD 4400 Diesel, cab and air, 700 hrs., like new
1974 JD 3300 gas w/cab, choice of heads
1977 IH 715 Dsl., Hydro w/cab and air, 550 hrs. 13' grain table, very nice
1978 MF 510D cab & air, very nice, choice of heads
NH 975 Combine, Cab, 13' Quick Tach Platform and Pickup Reel, $3650.
IH 82 Pull Type Combines like new, cut 200 acres
JD 453A Row Crop Bean Head

GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

MISCELLANEOUS EQUIPMENT

Bush Hog SL 70 loader w/7' bucket, Universal mtging brackets
Fahr 17' hay tedder
Case 3 pt. 16' Wing Fold Field Cult.
JD 3 pt. 18' Hydraulic Wing Fold Field Cult.
JD 350 Rake w/rubber mtd. teeth
IH #55 7 tooth chisel plow
Glenco 10 tooth Pull Type Chisel Plow
Brady 7 or 9 tooth 3 pt. Chisel Plow
JD 3 pt. Back SOLD ery nice
JD 1700 mulch tiller, 9 or 11 chisels
JD 45 & 55 Quick Tach Feeder Houses, very good
JD Hay Pickup w/Gauge Wheels
MF 43 Corn Head, Late Style
Gehl 99 Blower
NH #489 Haybine, very nice
JD 1209 Mower Conditioner, (new & used)
JD 1207 Mower Conditioner
Kewanee hydraulic wing fold field cultivator
Servis 12' Rotary Mower
Stan Hoist 4 Row Stalk Shredder
JD cab fits 3 SOLD u 4020
JD cab to fit 1020, 1520, 2030, or 2630

TRACTORS

JD 4240 Dsl., cab, air, quad, very nice
JD 4230 Dsl., cab, air, quad
JD 4520 Dsl., Very Good
JD 4030 Dsl. Cab and Air
JD 4430 Dsl., Cab, air, quad, very nice
JD 4430 Dsl., WF, Rops
JD 4230 Dsl. Power Shift, fender tractor, very good
JD 4020 Dsl. WF, Cab, Power Shift, dual Hyd. excellent
JD 4020 Dsl., side console power shift, JD rollguard cab
JD 40 SOLD WF
JD 3020 Dsl. WF, side console, rebuilt engine, ex. cond.
JD 3020 Gas Row Crop
JD 2940 Dsl w/148 Loader, 1300 hrs., ex. cond.
JD 2630 Dsl. WF, Independent PTO
JD 2030 Dsl., independent PTO, very good
JD 2040D Utility
JD 820D 3 cyl. 8 speed
JD 830D, roll guard, cab with heat and air
JD 301 w/loader,3 pt. hitch, PTO, very good
IH 1066 Dsl. Year Round Cab and Air
IH 1466 Dsl. Cab, Air, Very Nice
IH 1206 Dsl WF
IH 806 Dsl., wide front
IH 966 Dsl. w/cab, very nice
IH 686 Dsl WF
IH 856 Dsl. WF 38" rubber, new TA, very good
IH 84 Hydro, 1600 hrs., 1980 model.
IH 766 Dsl. WF, w/cab & air, very nice
IH 656 Gas, 3 pt. hitch
AC 185 Dsl., wide front, nice
AC 7000 Dsl. Power Shift, Cab and Air
AC 220 Dsl. WF, very nice
AC 200 Dsl. w/cab, excellent
White 2-85 Dsl. WFE
Ford 8600 Dsl., dual power
Ford 7600 Dsl., very good
Ford 6600 Dsl., very good
Case 1030 Dsl., w/cab
Case 1190 Dsl., w/loader (new)

HARVESTERS

JD 3800 w/2RN Head & Long Tongue
NH 38 Flail Chopper, Ex. Condition
NH 890 w/2 RN Head w/long tongue, electric controls, very good

GRAIN DRILLS

JD FBB 15x7 Fert., Grass Seed, DD
JD FBB 17x7 Fert., DD, Power Lift
JD 8300 18x10 Double Disc, liquid fert. and press wheels, like new

GRINDER-MIXERS

NH 400, very nice
NH 358 w/folding auger new, priced right)
Brady 950 hydra drive
Gehl 65, excellent

PLOWS -AUTOMATIC

IH 720 5x18 sp. reset
IH 710 6x16 Spr. Reset
IH 710 4x16 Spr. Reset
JD 2500 5x18 Sp. Reset

PLOWS

IH 4 & 5 Bottom Semi Mtd.
IH 140 4x16 roll over
White 5x16 semi mtd.
JD 4 & 5 Base Semi Mtd.

BALERS

JD 346 Twine w/thrower, hydraulic bale tension, very good
JD 336 Twine w/thrower, nice
Hesston 5400 Round Baler
JD 336 Wi SOLD hrower
NH 320 w/ SOLD r, very good
NH 277 w/thrower
NH 276 w/thrower
NH 851 Big Round, auto wrap, like new

DISCS

JD BWF 18' Wing Fold Rockflex
JD BWA 11'6"
JD 210 12'
JD 4000 Double Offset 12'
JD TWA Plow Disc, 28 blade
JD AW 10'-11'6"-13' All very good
Bush Hog 146 Offset, 11', big blades
Kewanee 18' Hydraulic wing fold, very good

CORN HEADS

AC 430 FG-C11
MF 24, 43, 44
JD 243, 244, 343, 443, 444, 643
IHC 227

CORN PLANTERS

JD 7000 6-Row Conservation Dry Fert. Monitor & Insect
JD 7000, 6R liquid fert., w/monitor & insecticide
JD 7000 4R SOLD ry fert, inset., monitor, very good
JD 1240 4-Row plate and plateless w/disc openers, liquid and dry fert. and insect
IH 56 4-Row Dry Fert.

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

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case

TRACTORS
- Case 1070
- Case VAC
- Case 930 Tractor "CK"
- Case 995
- Case 430
- David Brown 990 w Loader
- Oliver 500
- Oliver 1755
- Oliver 1655
- White 2 105 Tractor
- Farmall C w/cult & Loader
- SAME Tiger 100 4 WD

LOADERS
- Case 1737 Skid Loader
- Case 1740 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No 22 Loader
- Int 3200 Skid Loader

TILLAGE
- Case 6-Bot Plow, 20"
- Case Disc Harrow, 10'
- Oliver 2 Bot Trailer Plows
- Used Cultipacker

HARVESTING EQUIPMENT
- Case 600 Combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 316 Husker
- NI 315 Sheller
- NI 729A Sheller
- NI 767 Super Chopper
- NI 735 Cornhead
- NI 744N Cornhead
- NI 323 1-Row Corn-picker
- NI 325 2-Row Corn-picker
- NI 324 2 Row Corn-picker
- IH 550 Harvester
- Case 300 Harvester
- NH 717 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT
- NH 479 Windrower
- NH 1002 Stack Wagon
- Hesston PT 10
- Hesston 1090 Windrower
- Dump Rake
- Bale Thrower Wagon
- Case Hay Rake
- NI Hay Rake
- NI 456 Round Baler

MISCELLANEOUS
- Ford 4-Row Corn Planter
- IH 400 Corn Planter, 8 Row
- 8 Used Spreaders
- NI 218 Spreader

SPECIAL
• 8 USED WINDROWERS!
Hesston 1090 Windrower
2 Year Warranty
Demonstrator
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NEW TRACTORS

JD 2150
JD 2550
JD 4650
JD 2950 MFHH
JD 4050
JD 4250
JD 4450
JD 1250 4 whl. Dr. $15,500
JD 2440 $17,000
JD 4240 QR, SG Body $33,000

NEW MACHINERY

JD 450 Spreader
JD 660 Spreader
JD 680 Spreader
JD 445 Spreaders
JD 300B Backhoe/Loader No Trade
JD 115 11' Disc
JD 315 13' Disc
JD 4420 Combine
JD 1326 Mower Conditioner
JD 660 Rakes w/rubber teeth
JD 3940 Fg Harvester
JD 2600 5Bx18" Plow
JD 1250 Plow 4Bx16" $2450.95
JD 2700 6Bx18" Plow
JD 7000 Conservation Corn Planters 6R
JD 16x10 FF Drill $4000
JD 327 Baler w/ejector
JD 27 Flail Shredder
JD 965, 1065, 1075 Running Gears

USED MACHINERY

1-IHC 830 Fg. Harv. 1981 model, PU & 2 R.C. H $11,000
1981 White Combine 7300 w/704N 4 Row Corn Head $25,000
JD 95 Combine Dsl. engine, corn special w/ 435 corn head & 12' platform $10,500.
(1) 8N Ford tractor w/Hydraulic Front Blade $2500
(1) AC C tractor $1500
JD 730 Dsl. Tractor $3500
AC WD Tractor $895
JD 400 Tractor Model 1981 w/60 mower $4,800
2-105 White Tractor $14,500
JD 336 Baler w/ejector $4500
(2) AC 600 Series 6 Row Narrow Corn Planter $4500 ea
JD 8200 14x7 Plane Drill $3,000

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1978-79 John Deere 6600 Sidehill Combine 1500 hrs. 6 row narrow corn head
Grain Dryer - AS 600 Super B

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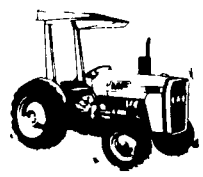

MF
Massey Ferguson

TRACTORS & EQUIPMENT

MF 180 Dsl. Tractor
Ford 4000 Tractor
Ford 4000 Turf Tractor
Ford 3500 Tractor & Loader
MF 150 Tractor
AC D17 Dsl. Tractor
IH Tractor & Loader w/Forklift Attch.
MF 760 Combine w/Attchs.
IH #46 Baler
IH 440 Baler
NH 315 Baler
NH 269 Baler w/thrower
NH 510 Manure Spreader
NI 213 Manure Spreader
Hesston PT10 Mower Cond.
JD Grain Drill

NEW M.F. EQUIPMENT

MF 285 Tractor
MF 245 Tractor
MF 1010 Tractor
MF 20 Turf Tractor
MF 236 Loader
MF 236 Loader to fit MF 184-4 Tractor
MF #43 2B Plow
MF 820 Disc Harrow
MF 520 disc harrow
(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 18 Scarifier Scraper Blade
MF 124 Baler w/Thrower
MF 218 3 pt. Rotary Cutter
MF 222 Scraper Blades

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FORD TRACTORS
- New TW 20 w/cab, 4wd, air
- New Ford 4610
- New 6600
- New Ford 7710 w/Sycro. Trans.
- Used Ford 1405B 16" Auto Reset Plow. Ex. Cond.

NEW HOLLAND
- New TR70 Combine w/cab, air, heater, w/cat. engine and lots of extras
- 13' flotation header and cutter bar, w/hume reel
- 962 N4 corn head
- New NH harvesters - 707, 718, 782
- New L35 gas, L325, L555 diesel, skid loaders
- New 353, 358 Grinder-Mixers
- New 367 Tank Type Manure Spreader
- Used 975 Combine w/11' head
- Used 718 Harvester w/2 heads

NEW IDEA
- NI 406 rake
- NI 323 one row corn pickers
- NI 3 pt. Hitch Fertz. Spreaders

- New Glencoe 12'9" Finishing Harrow
- Used JD 340 Disc Harrow
- Used IH 550 Harvester w/Windrow PU & 2R Corn Head

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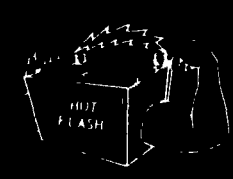

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Let success be yours to enjoy, as we wish all our loyal customers a Happy New Year!

(Combines on our lot)
Used J.D. 6620 Hydro w/heads
New JD 4420 fully equipt. 443 C.H. New M.F. 860 combine call for price.
Used White 9700 rotary w/4 whl drive, grain and 6 row C.H. 1977 JD 4400 Dsl. cab and air real nice; 1975 JD 6600D rotary screen, good cond. 1976 Int. 715D, w/air & 13 ft. grain, field ready, never used in corn. 1977 Gleaner L2 hydro w/6 row C.H. 1976 Gleaner FD w/air and both heads; 1976 Gleaner KKS cab & air w/grain, 1976 Int. 915D w/810 grain head $18,900. 1979 MF 550D, excel. w/grain and corn heads. 1975-MF 510D hydra. w/grain and 43 corn for $16,800.
MF 410 D. w/cab & Q.T. Grain head.
MF 510D w/cab, Quick Tach grain for $8950, Sale Price $5850. Case 960 w/cab and grain, real nice, $3950.
1968 Gleaner CII diesel w/cab and 4 row C.H. for $5250. JD 7700 D w/grain & corn head.
1969 MF 510D, cab & 2 heads for $9500.
MF 300 w/cab & 2 heads for $2900.
1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain Int. 810 13 ft. floating cutter bar.
Int. 303 w/cab, 1972 Gleaner F w/grain & 4 row C.H. for $11,900.
Gleaner E w/cab and 2 heads nice and good; Gleaner E III w/cab and 2 heads.
AC 90 pull combine.
NI 702D w/cab w/chopper and 2 row C.H. $6250. 702 w/729 A sheller.
We have 4 N.I. Uni 729A shellers from $1500.
TRACTORS AND EQUIP. JUST PURCHASED (New A.C. 8050 P.S. w/radial tires list 56, cost 44, our price $35,850. New JD 4250 w/front wheel drive.New Case 2590 fully eq. New Case 2090 Cab A.P.S. $22,900.00; used Case 2090 CA PS looks like new, used J.D. 4040 w/R.G. and QR-nice. JD 4230 w/QR for $11,400 JD 4430 w/ R.G. and P.S. Used JD 4640 P.S. fully eq. like new; JD 4630 cab, air P.S. w/front whl. drive; JD 6030 C.A. Duals all original; Farmall 1566 black stripe cab and air real nice, Farmall 1456 w/dual PTO, Int. 884 w/front whl. drive and cab, Int. 784 utility D, 1066 Hydro original, Farmall 70 Hydro. D, Int. 544 utility gas, Super M, AC 200D, JD 4010D WF nice, Oliver 1850 w/dual wheels, Farmall 706 gas WF and 3 pt., 766 original, 544 D, (SOLD) JD 720D, WF and 3 pt., JD 70D, Int., 504 utility D. Oliver 770 gas, AC WD 45 (SOLD), NI 325 picker w/sheller like new. NI 325 picker w/12 roll bed; N.I. 324 picker w/12 roll bed; Case 1370 C.A. PS - factory duals and full wts. JD 4010 D.W.F. Dual Hydraulic.
We have 3 real good JD 4010 D. w/W.F., NH 258 rake, Oliver 5B hydraulic reset plow.
NI Combines Just Dealt. NI 717 combine w/13 ft. grain; NI 738 4R N CH; NI 10 ft. direct cut head; NI 3 row 30" silage head.
(Tractors and Eq.- Just Received) MF 1135 CA MP real nice. Farmall 1468 C.A. $8850; Farmall 186 Hydro w/cab enclosure; Farmall 886 w/R.G., Farmall 756D WF and F.H. nice original, 756D WF 3 pt. INT. 656 utility D, nice original Farmall 504 tri. D. original, Farmall 460D. (SOLD). and 460 gas; from $1750. NH 357 Grinder-Mixer $3850.
Used JD 66 and 65 Blowers.
White 2-155 w/cab, JD 3020 gas P.S. original, JD L w/Eq., 2 Used NI 323 1 row picker $2150 Used Int. 1190 haybine for $3250; Ferg. 6 bar 3 pt. rake like new. (SOLD).
AC 7010 C.A., P.S.,20:8x38 tires, full wts., light package looks like new, Ford 7600 w/dual power. Farmall 966 original for $9600.00. Farmall 504 original w/P.S. and 3 pt.Oliver 880 W.F. fully equip. JD 4010 gas, JD 2840; Farmall 1066 w/cab & air $12,800. Int. 444 utility gas, w/P.S. for $3850. Farmall 1066 for $9950. Farmall 1586 C.A. w/20x38 duals used 1200 hrs. extra nice, Farmall 656 gas. 706 gas, 504 w/W.F. & Loader. JD 730 D, nice. JD 620 w/PS, JD M w/plow and cult, JD 60 w/loader; JD 3020 PS w/cab, D.B. 990D.Hay eq. just traded, used NH 320 baler, Rakes, new NH 256, MC 9E Rotary Scythe.
New Holland 1034 Auto-Bale Wagon used 3 yrs. NH 1012 18 ft. hay bale wagon on 8 ton running gear.
JD 3020 Tri D. JD 4020D W.F., D.L. and 2 values w/cab. JD 4020D W.F. P.S. 2640, Farmalls 1586 4 post R.G. w/duals, 1066 w/cab, 1206 extra nice, 756D W.F. original, Farmall M.
White-4 whl. drive, 4-180 fully eq. for $15,850 (Tractors Coming in) Int. 4786 and Int. 4586 - four whl. drive, JD 4020 D., W.F., P.S. and diff locks. Used JD 4440 C.A., 1972 JD 3020 D. WF, JD 4840, fully equipped w/dual whls. real nice, JD 4430 C.A. QR, AC 220 original nice $8950, Farmall 1486 fully eq. like new. Int. 784 w/loader like new. (SOLD) JUST TRADED- used Int. 3588 2+2 Int. 986 w/cab, M w/NI 319 mtd. picker, Case 1410D. (Harvesters) NH 890 w/3 row 30" C.H. 2 row snapperhead and pickup head. JD 243 snapper head. Forage Wagons.
JD 216 - tandem axle. NI 325 picker w/12 roll bed, JD 237 mtd. picker and sheller.
(new) 2 NI 323 cornpickers at old prices. $5450.00
New NI 324 2 row picker for $9750.
Used Fahr rotary 7 ft. haybine. JD 340 12 ft. offset disc, Glenco SS9 Soil Saver, JD 210 14 ft. Disc, Hesston #30 Stakhand.
CHISEL PLOWS- new Ford 13-ft. 3 pt. w/gauge whls.
HAYBINES- (new) Int. 1190 List $8900. Our Price $6450. only 1 left. New NI 272 cut/ditioner- $3800; Used NH 489-$4000; Used NH 489-$3875 ; N.H. 461 real nice; N.H. 479. Used JD 1209 $2475; New & used Grim 4 star hay tedders.
Used NI 279 Cut ditioner.(Just Traded) N.I. 702 uni w/729A sheller and 743 3 row Q.A. corn head, real nice and field ready.
New AC 7010 w/20 sp. trans. Used 966-1 owner original, 1972 JD 4020, 3020 S.C. power shift, JD 4020 S.C. w/cab, 1968 JD 4020. MF 1135 w/cab. Farmall 350 w/P.S. and F.H., Farmall 450 gas PS and F.H., Ford 6000 Commander D.
Balers (new), NH 315 w/#75 thrower for $9300. NH 280 w/hydraulic tension and thrower. JD 336 Thrower.New Idea #456 round baler.
TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard.
New John Deeres 4240 cab & air Q.R. for $30,000; New JD 4440 C.A. QR w/radial tires. Six real nice balers, NH 851 Round Baler (nice); JD 500 Round Baler; Hawk Bilt round baler. 2 used NH baler w/throwers #280, 269.
Int. 420 w/thrower.
Corn Heads JD 643, 444, 244, 243, 843, 343, 443, 435N, 313 for 45C, 235, Massey Ferguson 1144 like new, 63, 43, 44, 24, 222, 422, Gleaner L438, F430, F438, K238, F335, F330, M430, K330, Int. 863, 864, 844, 744, 843, 227, NI 4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, NH 4 row 38" C.H. New JD 444 $7350 reduced to $6875. JD 443 used 2 seasons; Gleaner A430 used 4 years. 60 corn heads on lot. NI 738 and 728 4 row 30"
New Int. 810 13 ft. grain head.
Used Gleaner L2 grain heads.
3 used MF 63C Corn Heads to pick from. 4 used #810 Int. 13 to 16 ft. reg. and floating heads.
(New Farmalls) 5088 C.A. for $34,850 New 3688 fully eq., $30,800.00.
(Used Farmalls) 986 w/cab, 686 nice. 706 gas. 1206 real nice, used JD 4230 w/R.G. and creeper gear, 1966-4020. We have 7 JD 4020 side console diesels. JD 2640, 1970 JD 5020, JD 4430 C.A., Q.R., 1972 JD 3020 D., W.F., JD 3020 w/power shift and cab, Farmall 130 w/1 row cult., Farmall 460 D. w/loader $1875, JD 4010 D., W.F., w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged. 1972 JD 4020D, WF. JD 2630D.
New NI 324 picker w/super sheller list $15,390. Special $8,475. Farmall 706 w/310 German D w/cab, JD 2520D, MF 1135 w/R.G. and dual wheels, MF 1105 w/cab, real nice, Int. 656 utility Hydro D. NH 890 2 row snapper head. JD narrow 30" 2 row head, like new.
NI 325 pickup w/12 roll bed used 4 yrs.
TRACTORS JD 4320, Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.
JD 4020 W.F. power shift, good tires ; Case 1070 P.S. $6975; JD 4010 Tri D, Farmall 766, Case 930 Standard, New Holland 770 w/2 row 30" C.H. NH 890 Harvester w/2 heads, Deutz 9006.
CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row & JD 6 row rear.
CORN PICKERS - New NI 325 w/12 roll for $11,800, used N.I. 325 w/12 roll bed current model. Used (2) N.I. 324 w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/ grinder. NI 319 mtd. picker, JD 300 w/2 or 3 row C.H.
JD 4020 w/58 Loader, JD 4320 w/cab.

Farmall - 1568 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 856 w/38" tires, very nice; Farmall 460 Gas w/F.H., Farmall 756 gas, Hi Crop- 656 diesel, 756, Farmall cub w/mowers.
HARVESTERS. Used JD 3960 w/long tongue, used JD 3940, JD 3800 w/2 row C.H. and pickup for $2850, N.H. 890 w/3 row 30"; NH 890 w/2 row; NH 770 w/2 row 30" C.H. Int. 720 - 2 row. Fox 2 row snapper head. NH 770 1 row snapper C.H.N.H. 890-2 new snapper head, new N.H. 890 new corn head used N.H. 770-H824 2 new corn head.and pickup head, Fox 2 row 30" Silage Head, JD 1 row snapper head for 38 & 3800. JD 4 row Stalker head, like new.
ALLIS CHALMERS AC 180D w/cab and air, 185 w/turbo. 7040 w/cab, power shift like new, low hrs. 220 original, 210 w/new 20.8x38 tires, AC H3 Crawler w/blade and winch.
2 JD 4 wheel drives 8630 fully eq. w/duals; & 7520 fully eq. w/duals.
JD 4010 LP Gas (nice) $3750.
JD 4030, JD 5020 puller.
FARMALLS: 1066red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice.
New White 2-65 w/front whl. drive and new 1730 loader, list $29,000.
Dealers net $23,700. Our special price $21,850.
New White 2-105 w/cab $22,850.
MASSEY FERGUSON - 2745 with cab and dual whls. 1085 w/cab, original 2 MF 1155 w/C.A. M.P., MF 1130 for $6250. MF 165D.
(Case) New 2090 Cab & Air, power shift. Case 830 W.F. (SOLD) and 3 pt. Case 930D real nice, Case 930 Standard D. real nice, Case 830D WF w/side pulley, (SOLD) Case D.B. 1200 for $3900. Oliver 1950T w/Cab for $6950.00. 2050, 1855 w/20:8 tires, 1850 w/cab, 1855 w/duals, MM Vista 1000 w/cab and loader, MM S670 diesel.
AC D 170, WF, Farmall Super A.U.
Fords, Jubilee, 8N, 9N, 850. (SOLD).
N.I. 702 Uni tractors w/ combines & 729A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads.
IND. EQUIPMENT - Int. 500E crawler loader w/270 hrs., like new. Cat 933 crawler loader.
Int. 2400D L&B, Case 584 B.D. Forklift.
AC 600-21 ft. forklift.
Int. 3400D. L&B Howard 3 pt. backhoe, Long 1199A-3 pt. Backhoe like new $3850.
Bobcat 720 Hydro Skid Loader.
Ferg 30 w/loader. Mechanics Specials.
Case 1410 motor. Farmall 706 gas needs trans work, $2900.
MF 1155 CA MP $8850.

PLANTERS- Used Int. #800 6 row fully equipped w/no til and monitor-NICE. JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, (SOLD) (new) White 5100 4 row planter w/monitor, JD 1460 6 row no-til liquid plateless Inst. - $1975, JD 6 row conservation inst. fert. fill, population monitor and acre fully equipped. Used White 5400 4 row air, w/dry, Inst. no til and monitor for $2000.

AC 4 row no-til fully eq. w/monitor.
Used JD 4 row conservation w/liquid fert. and monitor, Oliver 6 row no til w/dry fert., inst., fert. fill and population monitor JD 444 corn heads from $2450 and up.
Papec Grinder Mixer.
Cabs for JD and Int. Tractors.
Glenco 12 ft. 9" Soil Finisher like new.
Brady 14 ft. pull chisel plow w/Buster bar. Int. #5500-13 ft. chisel plow, Int. 9 ft. Chisel plow, new 9 shank soil saver, used Athens 10 ft. offset disk. Caldwell 7 ft. heavy duty 3 pt. blade.
Pick-up heads for NH 770, 717, Miller 12 ft. offset disk, JD Disks #210 - 12x14 ft. New Westfield grain augers 41 ft. 8" KD=$1395, 56 ft. 8" KD=1995. Used Manure spreaders - (new) N.H. 363 tank spreader for $3675. NI 214 nice, JD 54, Kawannee 10 ft. & 12 ft. roller harrow, good.
Brillion 13 ft. roller harrow, We have new 4,6,8 ton running gears at low, low prices.
2-used Danuser Post Hole Diggers.
Woods 15 ft. hyd. fold rotary cutter. (SOLD).
NH 36 Flail Chopper; Brady 722 Flail Chopper.
PLOWS - Ford 6xsp, reset, onland hitch, like new, Int. #710 7x16 sp, reset on land hitch, Int. #720 5x6x18 sp. reset. JD 2500 6x sp. reset, JD 5x hyd. Int. #700 5X auto reset, fully eq., Int. #710 6x16 sp. reset, J.D. 5xSemi trip rollover. Oliver 4x16 rollover, JD 3x16 rollover, Chisel Plows. Brady 12 ft. & 10 ft. chisel plow 2-Brillion 10' 3 pt. chisel plows Rockland rock picker. New Johnson loader.
Used JD 310-12 ft. disk like new, new 12 ft. 3 pt. field cultivator.
New Landoll 24 ft. hydraulic fold chisel plow.
Straw choppers for combines; JD 4400, 7700, 6600, MF 510, 550.
JD Disks- TWA 12 ft.-14 ft. heavy disk.
Ford 12 ft. Heavy Disk. Used JD 400 15 ft. rotary hoes, Kawanee 22 ft. Wing Disk.
DRILLS- Used JD 8300 21x7 DD w/press wheels.
Int. 510-16x7 D.D. w/Fert. and grass seed.
MF 43-21 SD grain.
JD B 16 DD w/grass seed.
Loaders - Used JD 146, JD 58, Int. 2350, 2250, like new, also set of forks, like new MF #246 like new (new) G.B. loader, 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 2 Used 30.5 x 32 tires.

No Til Attachment for Int. 4 row 400 planter complete.
TRUCKS - 1979 Chev. C65 24 ft. rollback w/61,000 miles, like new, 1976 KW Truck Tractor w/350 Cummins D. 13 spd. all chrome wheels and fully eq. looks like new, Delta 44 ft. combine trailer, 1980 Silverado Chevy diesel w/every option, looks like new.
(New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 6 & 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, (20) sets of dual wheels all sizes.
JD front & rear weights, IH front and rear weights.

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JD 4430 Tractor w/Roll Guard
JD 4430 Tractor w/Row Crop Fenders
JD 4240 Tractor w/Cab, PS
JD 4230 Cab & Air
JD 4030 Tractor
JD 4020 Side Console, WF
JD 4020 WF
JD 4020 Side Console WFE
JD 4010 Tractor
JD 2640 Tractor
JD 2640 Tractor w/145 Loader
JD 2440 Tractor
JD 2040 Tractor
JD 2020 Tractor w/Loader
JD 950 Tractor w/loader
JD 420 Lawn Tractor
JD H Tractor w/plow & cultv.
Farmall 656 Tractor
Farmall M Tractor
Farmall Cub w/Belly Mtd. Mower
IH 154 Lo-Boy w/mower
AC 7000 Tractor w/Cab
JD 158 Loader
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 7000 4R Consv. Planter w/Dry Fert.
JD 7000 4R Consv. Planter w/liq. fert.
JD 1240 4R Plateless Corn Planter
NI 325 2R Corn Picker
JD 3800 Chopper w/2R corn head
JD 35 Chopper w/2R corn head
JD 110 Disc
JD BWA Disc
JD B Plane 15 Disc Grain Drill
JD Kilafor offset Disc
JD FB Grain Drill
JD 950 10' Roller Harrow
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JD 7700 Combine
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Gleaner A Combine
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NI 279 Cut/ditioner
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JD 1450 5B Plow
JD 1450 4B Plow
JD F145 5B Plow
JD 145 6B Plow
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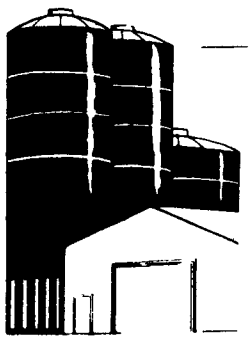

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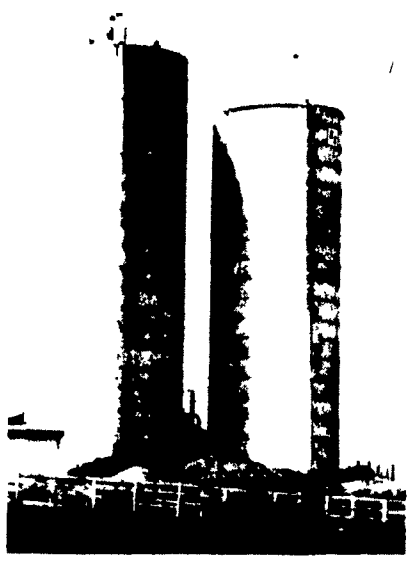

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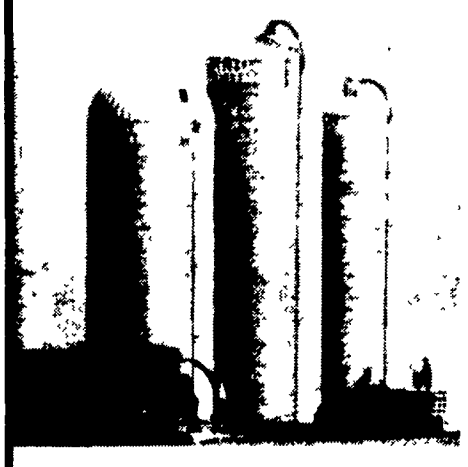

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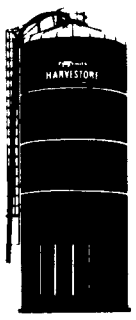

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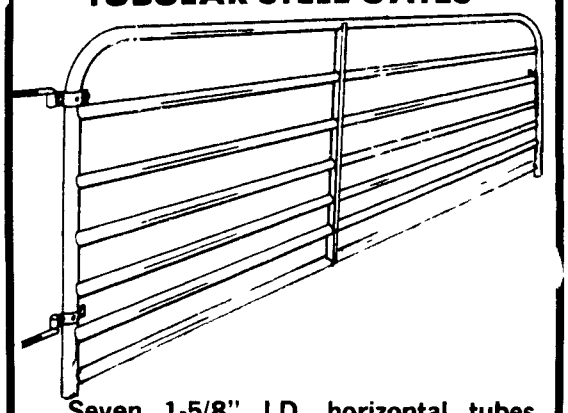

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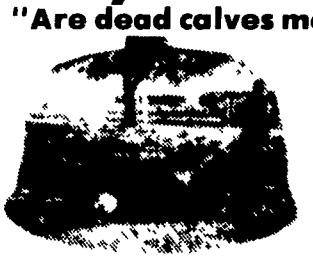

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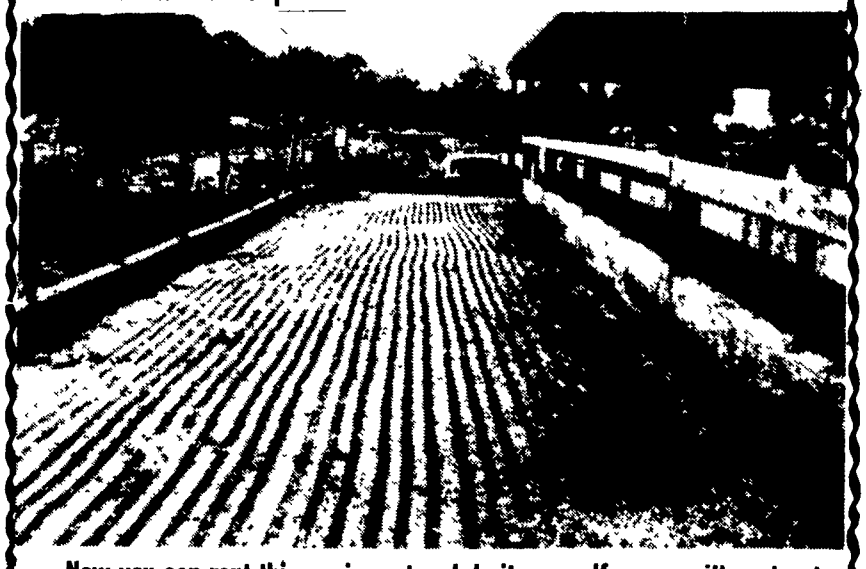

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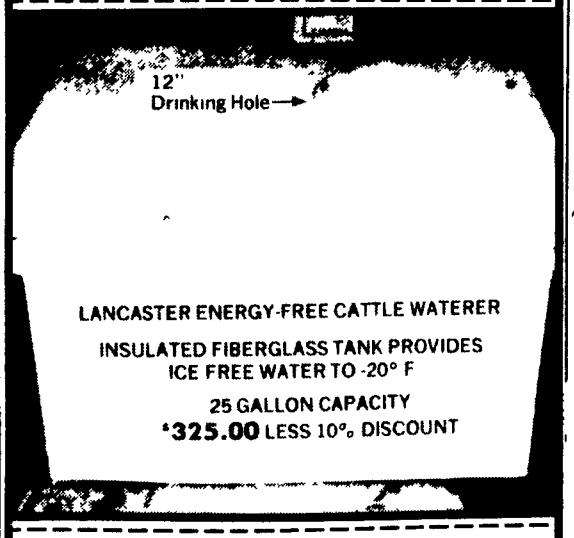

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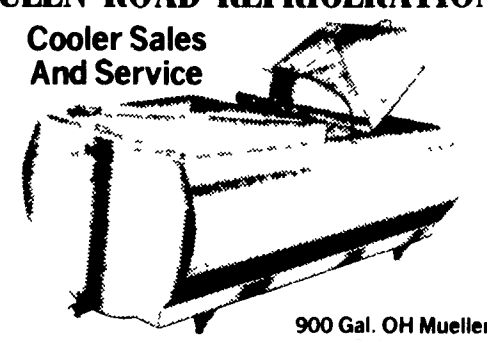

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900 Gal. OH Mueller
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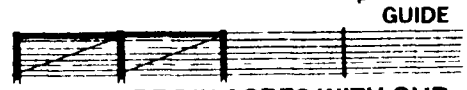

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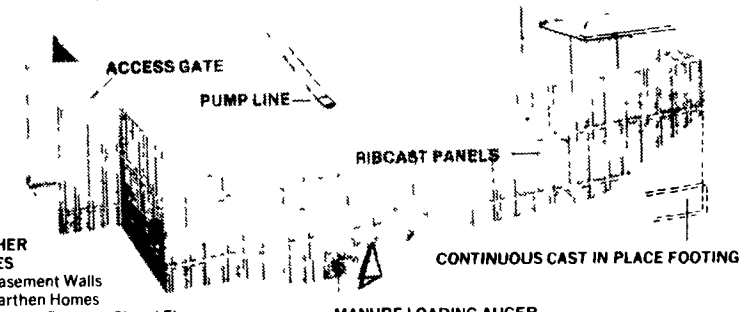

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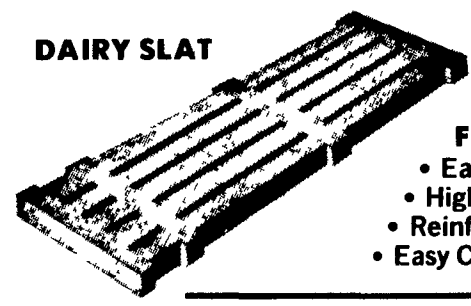

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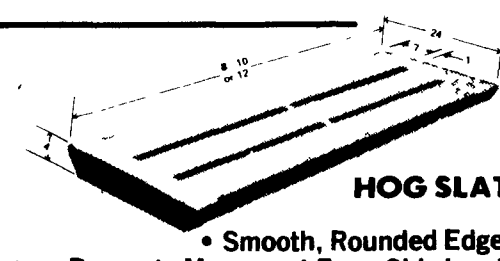

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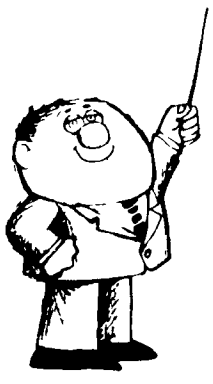

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SWINE

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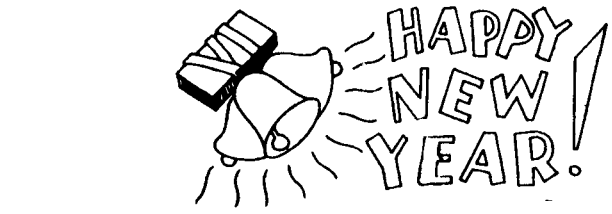

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Will be sold at New Holland Sales Stables
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Horses Will Be Hitchedc At Farm
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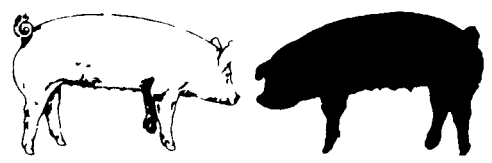

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We buy, sell and haul all kinds of poultry.
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Young mules, Pair of greys, full brothers, yearling stands 15.3 weighs 1000, weanling growing good to match brother. Pair bays, full brother and sister, yearling stands 16.1 weighs 1100, weanling molly growing good to match brother, $1000 per pair of $1800 both pairs. 2 year old molly mule 16.1 hands weighs over 1200, well made, bound to get big. Above mules out of grade draft mares by my 14.3 hand mammoth jack. 8 year old jack mule, bay 15.2 hands, weighs 1250 saddle broke, green broke to work $700. DeGennaro, R1 Box 37, FeuraBush, NY 12067. 518-768-2922.

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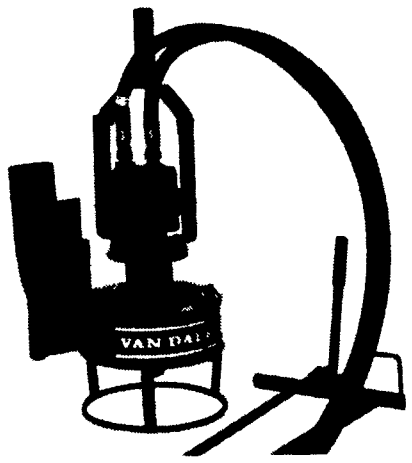

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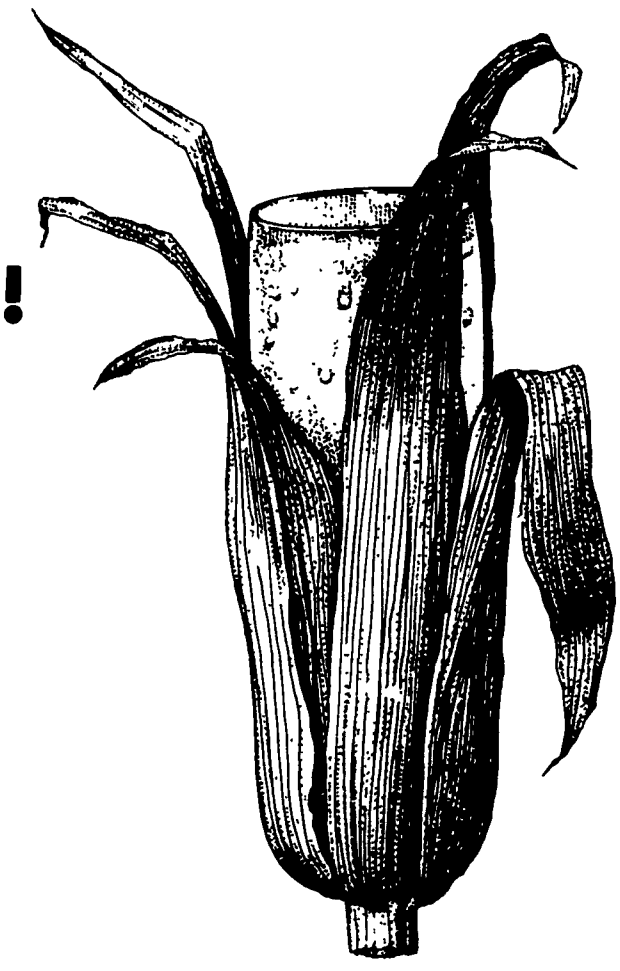

Now, get more milk to the bushel with Purina® protein supplements.

Whatever your grain, we have the supplement that'll help you milk it for all it's worth. Purina's nutritionally-balanced protein supplements are formulated to maximize your herd's milk production. So you get more milk to the bushel of grain.

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Purina High Octane® Cow Chow 36 works!

Balanced, high-nutrient levels for maximum milk production.

Purina research has found a way to provide high energy levels without sacrificing other essential nutrients.

It comes from an in-depth knowledge of what your cows need. And tough quality control standards that demand top-quality ingredients.

As an added bonus, your cows develop and keep good body condition. You should see fewer health problems. And, strong cows keep milking at top potential year after year.

PLUS * HI O 36 LC (Low Calcium) TO HELP US BALANCE YOUR HIGH LEGUME PROGRAM

Purina Cow Chow 38% Milking Concentrate

Dairymen know that a palatable ration increases feed intake, which in turn increases milk production and milk income.

Dairymen who use Purina Cow Chow 38% make sure their cows are receiving the essential requirements of energy, protein, minerals, and vitamins. And a healthy herd keeps producing at top levels, lactation after lactation.

PLUS * COW CHOW 38% with UREA
PLUS * A TAILORED 38% TO FIT YOUR PROGRAMS ECONOMICS, AND NUTRITIONAL REQUIREMENTS
AND...* HEAVY HAY/HAYLAGE AND HIGH MOISTURE SHELL CORN? ASK ABOUT DAIRY 30%

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